(Translation)

This document has been translated from the Japanese original for the convenience of overseas stakeholders. In the event of any discrepancy between this document and the Japanese original, the original shall prevail.

Quarterly Report

From July 1, 2019 to September 30, 2019

(Second Quarter of the 151th Fiscal Year)

KOMATSU LTD.

Quarterly Report

Certain References and Information:

- 1. This is an English translation of the Quarterly Securities Report ("Shihanki Hokokusho") filed via the Electronic Disclosure for Investors' Network ("EDINET") system as set forth in Article 27-30-2 of the Financial Instruments and Exchange Act of Japan. Komatsu Ltd. filed its Quarterly Securities Report for the three months ended September 30, 2019 with the Director-General of the Kanto Local Finance Bureau on November 13, 2019. The Quarterly Securities Report contains, among other information, Quarterly Consolidated Financial Statements for the three months and six months ended September 30, 2019. Material information in the Quarterly Securities Report, other than the Quarterly Consolidated Financial Statements, has already been reported by Komatsu Ltd. in its press release dated October 30, 2019. Attached is an English translation of Quarterly Consolidated Financial Statements for the three months and six months ended September 30, 2019.
- In this report, Komatsu Ltd. is hereinafter referred to as the "Company" and together with its consolidated subsidiaries as "Komatsu."

Cautionary Statement with respect to forward-looking statements:

This report contains forward-looking statements that reflect managements' views and assumptions in the light of information currently available with respect to certain future events, including expected financial position, operating results and business strategies. These statements can be identified by the use of terms such as "will," "believes," "should," "projects," "plans," "expects" and similar terms and expressions that identify future events or expectations. Actual results may differ materially from those projected, and the events and results of such forward-looking assumptions cannot be assured. Any forward-looking statements speak only as of the date of this report, and the Company assumes no duty to update such statements.

Factors that may cause actual results to differ materially from those predicted by such forward-looking statements include, but are not limited to, unanticipated changes in demand for Komatsu's principal products, owing to changes in the economic conditions in Komatsu's principal markets; changes in exchange rates or the impact of increased competition; unanticipated costs or delays encountered in achieving Komatsu's objectives with respect to globalized product sourcing and new information technology tools; uncertainties as to the results of Komatsu's research and development efforts and its ability to access and protect certain intellectual property rights; the impact of regulatory changes and accounting principles and practices; and the introduction, success and timing of business initiatives and strategies.

Financial Information

1. Basis of preparation of the quarterly consolidated financial statements

The quarterly consolidated financial statements of the Company are prepared in accordance with the accounting principles generally accepted in the United States of America (hereinafter "U.S. GAAP"), pursuant to Article 4, Supplementary Provisions of the "Ordinance on Terminology, Forms and Preparation Methods of Quarterly Consolidated Financial Statements," the Ordinance of the Cabinet Office No. 64 of 2007.

2. Audit certification

Pursuant to Article 193-2, paragraph 1 of the Financial Instruments and Exchange Act of Japan, the quarterly consolidated financial statements for the three months ended September 30, 2019 (from July 1 to September 30, 2019) and for the six months ended September 30, 2019 (from April 1 to September 30, 2019) were reviewed by KPMG AZSA LLC.

Quarterly Consolidated Financial Statements, etc.

Quarterly Consolidated Financial Statements

Consolidated Balance Sheets (Unaudited)

Komatsu Ltd. and Consolidated Subsidiaries as of September 30, 2019 and March 31, 2019

Tromasu Etc. and Consolidated Substituties as of September 30, 2017 and	September 30), 2019	March 31,	2019	
Assets	Millions of yen	Ratio (%)	Millions of yen	Ratio (%)	
Current assets					
Cash and cash equivalents (Note 16)	¥ 163,002		¥ 148,479		
Time deposits (Note 16)	1,745		2,331		
Trade notes and accounts receivable, net (Notes 4 and 10)	739,890		842,183		
Inventories (Note 5)	894,214		837,552		
Other current assets (Notes 15, 16 and 17)	133,327		138,415		
Total current assets	1,932,178	53.1	1,968,960	54.1	
Long-term trade receivables, net (Notes 4, 10 and 16)	420,762	11.6	416,363	11.4	
Investments					
Investments in and advances to affiliated companies	37,769		37,321		
Investment securities (Notes 6, 16 and 17)	7,374		7,473		
Other	2,324		2,528		
Total investments	47,467	1.3	47,322	1.3	
Property, plant and equipment - less accumulated depreciation and amortization of ¥880,146 million at September 30, 2019 and ¥890,142 million at March 31, 2019	756,828	20.8	776,422	21.3	
-			770,422		
Operating lease right-of-use assets (Note 1)	48,411	1.3			
Goodwill (Note 3)	165,980	4.6	161,921	4.5	
Other intangible assets (Notes 3 and 7)	160.001	1.6	166.406	4.6	
- less accumulated amortization	169,091	4.6	166,406	4.6	
Deferred income taxes and other assets (Notes 15, 16 and 17)	96,847	2.7	100,825	2.8	
Total assets	¥ 3,637,564	100.0	¥ 3,638,219	100.0	
	September 30	2010	March 31,	2010	
**1994 1F 4	-				
Liabilities and Equity	Millions of yen	Ratio (%)	Millions of yen	Ratio (%)	
Current liabilities					
Short-term debt (Note 16)	¥ 427,797		¥ 404,659		
Current maturities of long-term debt (Note 16)	116,711		53,556		
Trade notes, bills and accounts payable	247,964		266,951		
Income taxes payable	25,720		43,022		
Current operating lease liabilities (Note 1)	14,115		_		
Other current liabilities (Notes 10, 15, 16 and 17)	315,214		313,951		
Total current liabilities	1,147,521	31.5	1,082,139	29.7	
Long-term liabilities					
Long-term debt (Note 16)	406,870		472,485		
Liability for pension and retirement benefits	88,325		90,187		
Long-term operating lease liabilities (Note 1)	33,974		-		
Deferred income taxes and other liabilities (Notes 10, 15, 16 and 17)	90,496		90,540		
Total long-term liabilities	619,665	17.1	653,212	18.0	
Total liabilities	1,767,186	48.6	1,735,351	47.7	
Commitments and contingent liabilities (Note 14)	1,707,100	40.0	1,733,331	41.7	
Equity					
Komatsu Ltd. shareholders' equity					
Common stock:					
Authorized 3,955,000,000 shares					
Issued 972,581,230 shares					
Outstanding 944,383,405 shares at September 30, 2019 and					
943,908,946 shares at March 31, 2019	68,689		68,311		
Capital surplus	136,872		136,798		
Retained earnings:					
Appropriated for legal reserve	46,580		46,028		
Unappropriated	1,687,896		1,654,105		
Accumulated other comprehensive income (loss) (Notes 9, 15 and 17)	(102,498)		(39,792)		
Treasury stock at cost,	(40.570)		(40.960)		
28,197,825 shares at September 30, 2019 and 28,343,514 shares at March 31, 2019 Total Komatsu Ltd. shareholders' equity	(49,578) 1,787,961	49.2	(49,868) 1,815,582	49.9	
Noncontrolling interests	82,417	2.2	87,286	2.4	
Total equity	1,870,378	51.4	1,902,868	52.3	
Total liabilities and equity	¥ 3,637,564	100.0	¥ 3,638,219	100.0	
		-	-		

Consolidated Statements of Income and Consolidated Statements of Comprehensive Income (Unaudited)

Komatsu Ltd. and Consolidated Subsidiaries Six months ended September 30, 2019 and 2018.

Consolidated Statements of Income

	Six months of September 30		Six months of September 30	
	Millions of yen	Ratio (%)	Millions of yen	Ratio (%)
Net sales (Notes 1, 10, 12 and 15)	¥ 1,213,485	100.0	¥ 1,318,041	100.0
Cost of sales (Notes 1, 7, 8 and 15)	855,318	70.5	900,519	68.3
Selling, general and administrative expenses (Notes 3, 7, 8 and 11)	217,478	17.9	218,389	16.6
Other operating income, net	1,293	0.1	1,174	0.1
Operating income	141,982	11.7	200,307	15.2
Other income (expenses), net				
Interest and dividend income	3,732	0.3	3,683	0.3
Interest expense	(13,108)	(1.1)	(11,410)	(0.9)
Other, net (Notes 6, 8, 9, 15 and 17)	(4,394)	(0.4)	(71)	(0.0)
Total	(13,770)	(1.1)	(7,798)	(0.6)
Income before income taxes and equity in				
earnings of affiliated companies	128,212	10.6	192,509	14.6
Income taxes (Note 9)				
Current	35,948		55,724	
Deferred	(330)		1,815	
Total	35,618	2.9	57,539	4.4
Income before equity in earnings of affiliated companies	92,594	7.6	134,970	10.2
Equity in earnings of affiliated companies	1,730	0.1	2,262	0.2
Net income	94,324	7.8	137,232	10.4
Less: Net income attributable to noncontrolling interests	4,262	0.4	11,847	0.9
Net income attributable to Komatsu Ltd.	¥ 90,062	7.4	¥ 125,385	9.5
		Y	en	
Per share data (Note 13):				
Net income attributable to Komatsu Ltd.:				
Basic	95.40		132.90	
Diluted	95.32		132.74	

Consolidated Statements of Comprehensive Income

	Millions of yen						
		onths ended aber 30, 2019		ix months ended ptember 30, 2018			
Net income	¥	94,324	¥	137,232			
Other comprehensive income (loss), for the period, net of tax							
Foreign currency translation adjustments (Note 9)		(66,214)		41,705			
Pension liability adjustments (Notes 8 and 9)		145		590			
Net unrealized holding gains (losses) on derivative instruments (Notes 9 and 15)		(1,231)		(2,690)			
Total		(67,300)		39,605			
Comprehensive income		27,024		176,837			
Less: Comprehensive income (loss) attributable to noncontrolling interests		(361)		13,701			
Comprehensive income attributable to Komatsu Ltd.	¥	27,385	¥	163,136			

Consolidated Statements of Income and Consolidated Statements of Comprehensive Income (Unaudited)

Komatsu Ltd. and Consolidated Subsidiaries

Three months ended September 30, 2019 and 2018.

Consolidated Statements of Income

		Three months September 30		Three months ended September 30, 2018			
	M	illions of yen	Ratio (%)	Mi	illions of yen	Ratio (%)	
Net sales (Notes 1, 10, 12 and 15)	¥	603,718	100.0	¥	671,981	100.0	
Cost of sales (Notes 1, 7, 8 and 15)		427,961	70.9		459,270	68.3	
Selling, general and administrative expenses (Notes 3, 7, 8 and 11)		107,811	17.9		109,488	16.3	
Other operating income (expenses), net		(724)	(0.1)		1,036	0.2	
Operating income		67,222	11.1		104,259	15.5	
Other income (expenses), net							
Interest and dividend income		1,986	0.3		1,710	0.3	
Interest expense		(6,458)	(1.1)		(5,987)	(0.9)	
Other, net (Notes 6, 8, 9, 15 and 17)		(1,448)	(0.2)		(413)	(0.1)	
Total		(5,920)	(1.0)		(4,690)	(0.7)	
Income before income taxes and equity in							
earnings of affiliated companies		61,302	10.2		99,569	14.8	
Income taxes (Note 9)							
Current		22,866			32,975		
Deferred		(5,079)			(3,459)		
Total		17,787	2.9		29,516	4.4	
Income before equity in earnings of affiliated companies		43,515	7.2		70,053	10.4	
Equity in earnings of affiliated companies		1,062	0.2		1,164	0.2	
Net income		44,577	7.4		71,217	10.6	
Less: Net income attributable to noncontrolling interests		1,991	0.3		8,802	1.3	
Net income attributable to Komatsu Ltd.	¥	42,586	7.1	¥	62,415	9.3	
			Y	en			
Per share data (Note 13):							
Net income attributable to Komatsu Ltd.:							
Basic		45.11			66.15		
Diluted		45.07			66.07		

Consolidated Statements of Comprehensive Income

	Millions of yen						
		months ended nber 30, 2019		months ended nber 30, 2018			
Net income	¥	44,577	¥	71,217			
Other comprehensive income (loss), for the period, net of tax							
Foreign currency translation adjustments (Note 9)		(32,903)		23,709			
Pension liability adjustments (Notes 8 and 9)		(183)		364			
Net unrealized holding gains (losses) on derivative instruments (Notes 9 and 15)		(517)		(997)			
Total		(33,603)		23,076			
Comprehensive income		10,974		94,293			
Less: Comprehensive income attributable to noncontrolling interests		86		10,058			
Comprehensive income attributable to Komatsu Ltd.	¥	10,888	¥	84,235			

Consolidated Statements of Equity (Unaudited)

Komatsu Ltd. and Consolidated Subsidiaries

Six months ended September 30, 2019

										Million	s of yen							
	Retained earnings			ì														
	_	Common stock	_	Capital surplus	1	propriated for legal reserve	8	Un- appropriated	_	Accum oth compre income	ner hensive	Treasury stock	_	Total Komatsu Ltd. shareholders' equity	_	Non- controlling interests	_	Total equity
Balance at March 31, 2019	¥	68,311	¥	136,798	¥	46,028	¥	1,654,105	¥	(3	39,792)	¥ (49,868)	¥	1,815,582	¥	87,286	¥	1,902,868
Cash dividends (Note 19)								(55,719)						(55,719)		(4,614)		(60,333)
Transfer to retained earnings appropriated for legal reserve						552		(552)						_				_
Other changes				10							(29)			(19)		106		87
Net income								90,062						90,062		4,262		94,324
Other comprehensive income (loss), for the period, net of tax (Note 9)										(6	52,677)			(62,677)		(4,623)		(67,300)
Issuance and exercise of stock acquisition rights (Note 11)				(325)										(325)				(325)
Purchase of treasury stock												(22)		(22)				(22)
Sales of treasury stock				14								312		326				326
Restricted stock compensation (Note 11)		378		375					_					753	_			753
Balance at September 30, 2019	¥	68,689	¥	136,872	¥	46,580	¥	1,687,896	¥	(10	02,498)	¥ (49,578)	¥	1,787,961	¥	82,417	¥	1,870,378

Six months ended September 30, 2018

							Millions of yen						
				Retained earnings									
	Common stock	Capital surplus	-	propriated for legal reserve	Un- appropriated	_	Accumulated other comprehensive income (loss)	Treasury stock		Total Komatsu Ltd. shareholders' equity	Non- controlling interests	Total equity	
Balance at March 31, 2018	¥ 67,870	¥ 138,450	¥	45,828	¥ 1,491,965	¥	(29,150)	¥ (50,423)	¥	1,664,540	¥ 79,050	¥ 1,743,	590
Cumulative effects of Accounting Standards Update—adoption of ASU 2014-09, net of tax					(515)					(515)	(12)	(:	(527)
Cumulative effects of Accounting Standards Update—adoption of ASU 2016-01, net of tax					681		(681)			_			-
Cumulative effects of Accounting Standards Update—adoption of ASU 2016-16, net of tax					(860)					(860)		((860)
Cash dividends (Note 19)					(45,301)					(45,301)	(4,558)	(49,	859)
Transfer to retained earnings appropriated for legal reserve				77	(77)					_			_
Other changes		(1,476)					(2,046)			(3,522)	(3,233)	(6,	755)
Net income					125,385					125,385	11,847	137,	232
Other comprehensive income (loss), for the period, net of tax (Note 9)							37,751			37,751	1,854	39,	605
Issuance and exercise of stock acquisition rights (Note 11)		(323)								(323)		(:	(323)
Purchase of treasury stock								(25)		(25)			(25)
Sales of treasury stock		27						297		324			324
Restricted stock compensation (Note 11)	441	438								879		:	879
Balance at September 30, 2018	¥ 68,311	¥ 137,116	¥	45,905	¥ 1,571,278	¥	5,874	¥ (50,151)	¥	1,778,333	¥ 84,948	¥ 1,863,	281

Consolidated Statements of Cash Flows (Unaudited)

Komatsu Ltd. and Consolidated Subsidiaries Six months ended September 30, 2019 and 2018

Operating activities Net income Adjustments to reconcile net income to net cash provided by (used in) operating activities: Depreciation and amortization Deferred income taxes Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in irade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities Purchases of investment securities		94,324 64,683 (330) (101) (620)		137,232 65,338 1,815
Net income Adjustments to reconcile net income to net cash provided by (used in) operating activities: Depreciation and amortization Deferred income taxes Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities	¥	64,683 (330) (101) (620)	¥	65,338 1,815
Adjustments to reconcile net income to net cash provided by (used in) operating activities: Depreciation and amortization Deferred income taxes Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities	¥	64,683 (330) (101) (620)	¥	65,338 1,815
Depreciation and amortization Deferred income taxes Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in inventories Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(330) (101) (620)		1,815
Deferred income taxes Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(330) (101) (620)		1,815
Impairment loss and net loss (gain) on valuation of investment securities Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(101) (620)		
Net loss (gain) on sale of property Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(620)		
Loss on disposal of fixed assets Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		, ,		443
Pension and retirement benefits, net Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		4 - 4 - 0		(426)
Changes in assets and liabilities: Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		1,618		976
Decrease (increase) in trade receivables Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(796)		(672)
Decrease (increase) in inventories Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities				
Increase (decrease) in trade payables Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		56,322		(12,844)
Increase (decrease) in income taxes payable Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(88,414)		(85,014)
Other, net Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(12,440)		(32,093)
Net cash provided by (used in) operating activities Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		(17,030)		(24,423)
Investing activities Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		38,540		22,558
Capital expenditures Proceeds from sale of property Proceeds from sale of investment securities		135,756		72,890
Proceeds from sale of property Proceeds from sale of investment securities				
Proceeds from sale of investment securities		(91,837)		(86,350)
		6,979		7,673
Purchases of investment securities		525		1,708
		(492)		(171)
Acquisition of subsidiaries and equity investees, net of cash acquired		(21,606)		(9,228)
Other, net *1		(267)		(310)
Net cash provided by (used in) investing activities		(106,698)		(86,678)
Financing activities				
Proceeds from debt issued (Original maturities greater than three months)		230,299		169,632
Payment on debt (Original maturities greater than three months)		(228,337)		(80,228)
Short-term debt, net (Original maturities three months or less)		45,511		(23,816)
Dividends paid		(55,719)		(45,301)
Other, net *2		(5,417)		(12,923)
Net cash provided by (used in) financing activities		(13,663)		7,364
Effect of exchange rate change on cash and cash equivalents		(872)		(11,629)
Net increase (decrease) in cash and cash equivalents		14,523		(18,053)
Cash and cash equivalents, beginning of year		148,479		144,397
Cash and cash equivalents, end of period	¥	163,002	¥	126,344

^{*1} In the six months ended September 30, 2019, Komatsu (the Company and its consolidated subsidiaries) has classified "Proceeds from sale of subsidiaries and equity investees, net of cash disposed", "Collection of loan receivables", "Disbursement of loan receivables" and "Decrease (increase) in time deposits, net" as "Other, net" in the investing activities. Accordingly, the figures for the six months ended September 30, 2018 were reclassified to conform to the presentation for the six months ended September 30, 2019.

^{*2} In the six months ended September 30, 2019, Komatsu has classified "Repayments of finance lease obligations" and "Sale (purchase) of treasury stock, net" as "Other, net" in the financing activities. Accordingly, the figures for the six months ended September 30, 2018 were reclassified to conform to the presentation for the six months ended September 30, 2019.

Komatsu Ltd. and Consolidated Subsidiaries Three months and six months ended September 30, 2019 and 2018 Notes to Quarterly Consolidated Financial Statements (Unaudited)

1. Basis of Quarterly Financial Statement Presentation and Summary of Significant Accounting Policies

Basis of Quarterly Financial Statement Presentation

The Company prepares and presents the accompanying quarterly consolidated financial statements in accordance with generally accepted accounting principles in the United States of America (hereinafter "U.S. GAAP").

The accompanying quarterly consolidated financial statements are stated in Japanese yen, the currency of the country in which the Company is incorporated and principally operates.

Some adjustments without booked on each subsidiaries' and affiliates' quarterly financial statements are added to the accompanying quarterly consolidated financial statements. These adjustments are mainly due to the gaps of accounting principle between Japan and the United States of America. See Note 22 "Terminology, Forms and Preparation Methods of Quarterly Consolidated Financial Statements".

Preparation of Financial Statements and Registration with the U.S. Securities and Exchange Commission

The Company has been preparing its consolidated financial statements in accordance with U.S. GAAP since 1963, because the Company issued foreign currency convertible bonds at European market in 1964. The Company registered its convertible bonds issued in the United States in 1967 and its common shares issued for U.S. shareholders as well as Japanese shareholders in 1970 with the U.S. Securities and Exchange Commission (hereinafter "SEC"). Since then, the Company, as a non-U.S. issuer, had been having the reporting obligations, such as filing annual report with its consolidated financial statements in accordance with U.S. GAAP, under the Securities Exchange Act of 1934. The Company's registration with SEC was terminated on June 30, 2014.

Summary of Significant Accounting Policies

From the three months ended June 30, 2019, Komatsu has adopted the Accounting Standards Update (hereinafter "ASU") 2016-02 "Leases". This update requires lessees to recognize most leases as the right-of-use assets and the lease liabilities on their balance sheets. This update does not substantially change lessor accounting. The Financial Accounting Standards Board (hereinafter "FASB") also modified the definition of lease. Additionally, the guidance expands qualitative and quantitative disclosures related to lease. Concerning accounting in relation to this update, Komatsu has adopted the rule in which an entity does not separate lease and non-lease components and regards all components as those of a single lease, and the exceptional rule in which an entity does not recognize short-term leases on the balance sheet. Concerning the transition methods in relation to this update, Komatsu has adopted a series of practical expedients in which an entity does not reassess whether any expired or existing lease contracts are or contain leases, the lease classification for them and initial direct costs for them. Komatsu has also adopted the additional transition methods in which an entity does not retrospectively restate presentation or disclosure of comparative years at the period of the application of the new accounting standards and an entity does not assess whether existing or expired land easements that were not previously accounted for as leases. The application of the provision has no significant impact on Komatsu's financial position and results of operations.

From the three months ended June 30, 2019, Komatsu has adopted ASU 2017-12 "Targeted Improvements to Accounting for Hedging Activities". This update improves the application of hedge accounting under certain circumstances to reflect the economic consequences of an entity's risk management activities in financial statements more appropriately. The update eliminates the requirement to separately measure and present effective portion and ineffective portion of hedging and requires an entity to record the full amount of change in fair value of the hedging instrument in the same income statement line as gain or loss arising from the hedged item. The application of the provision has no significant impact on Komatsu's financial position and results of operations.

Excluding the above, there is no material change for summary of significant accounting policies stated in annual report for the fiscal year ended March 31, 2019.

2. Supplemental Cash Flow Information

Additional cash flow information for the six months ended September 30, 2019 and 2018 are as follows:

		Millions of yen				
	·-	onths ended nber 30, 2019		onths ended aber 30, 2018		
Additional cash flow information:						
Interest paid	¥	12,963	¥	11,349		
Income taxes paid		48,217		76,276		

3. Business Combination

Immersive Corporation Pty Ltd

On July 1, 2019, the Company acquired Immersive Corporation Pty Ltd (hereafter "Immersive"), a mining workforce optimization company, through a wholly-owned subsidiary of the Company by purchasing all of the outstanding shares of Immersive.

Immersive develops, manufactures and sells mining equipment simulators for training machine operators for surface and underground mines. Immersive also offers educational programs designed to enhance the safety and productivity of customers' site operations by using simulators, and provides training solutions designed to promote operational optimization by proposing recommendations.

In April 2019, Komatsu embarked on the new three-year mid-term management plan (FY2019–2021), "DANTOTSU Value — *FORWARD* Together for Sustainable Growth," working together with its customers to achieve safe, highly productive, smart and clean worksites of the future. By integrating Immersive's solutions into its line-up, Komatsu anticipates improvements in safety and productivity, as well as optimization of operations for our mining customers.

The fair value measurement of the acquired assets and assumed liabilities under Financial Accounting Standards Board Accounting Standards CodificationTM (hereinafter "ASC") 805, "Business Combinations" is not completed as of the filing date of the quarterly consolidated financial statements. Therefore, the amounts of acquired assets and assumed liabilities after the allocation of acquisition cost on the acquisition date stated in the following summary table are provisional amounts based on the information available as of the filing date of the quarterly consolidated financial statements.

	Mill	ions of yen
Consideration		
Cash and cash equivalents	¥	15,715
Fair value of total consideration transferred		15,715
Recognized amounts of identifiable acquired assets and assumed liabilities		
Current assets	¥	3,596
Property, plant and equipment		427
Intangible assets		8,166
Other non-current assets		82
Total acquired assets		12,271
Current liabilities		(1,553)
Long-term liabilities		(2,578)
Total assumed liabilities		(4,131)
Net acquired assets		8,140
Goodwill		7,575
	¥	15,715

Intangible assets of ¥8,166 million are all intangible assets subject to amortization and main ones are as follows.

	Millions of yen	
	Gross carrying amount	Amortization period
Customer relationships	¥ 2,026	16 years
Technology assets	5,851	13 years

The goodwill of ¥7,575 million was assigned to the Construction, Mining and Utility Equipment operating segment. The goodwill is not deductible for tax purpose.

Acquisition-related costs for the six months ended September 30, 2019 are \u224278 million (accumulated acquisition-related costs: \u224310 million) and included in selling, general and administrative expenses in the consolidated statements of income for the six months ended September 30, 2019.

Immersive's results of operations included in the consolidated statements of income for the six months ended September 30, 2019 since the date of acquisition were immaterial.

Assuming this acquisition had been made on April 1, 2018, the impact on Net Sales and Net income attributable to Komatsu Ltd. for the six months ended September 30, 2019 and 2018 would be immaterial.

4. Allowance for Doubtful Receivables

At September 30, 2019 and at March 31, 2019, allowances for doubtful receivables deducted from trade notes and accounts receivable, net and long-term trade receivables, net are \frac{\pma}{14},914 million and \frac{\pma}{12},758 million, respectively.

5. Inventories

At September 30, 2019 and at March 31, 2019, inventories comprise the following:

	Millions of yen						
	Septem	ber 30, 2019	Marc	h 31, 2019			
Finished products, including finished parts held for sale	¥	646,785	¥	594,880			
Work in process		179,090		171,063			
Materials and supplies		68,339		71,609			
Total	¥	894,214	¥	837,552			

6. Investment Securities

The realized gains and losses and gross unrealized holding gains and losses for such equity securities which are recorded in other income (expenses), net in the accompanying consolidated statements of income, respectively, for the six months ended September 30, 2019 and 2018 are as follows:

		Million	s of yen	
	Six me end September		Six mo End September	led
Net gains and losses recognized during the period on equity securities	¥	101	¥	(443)
Less: net gains and losses recognized during the period on equity securities sold during the period		(9)		(46)
Unrealized gains and losses recognized during the period on equity securities still held as of September 30	¥	110	¥	(397)

The realized gains and losses and gross unrealized holding gains and losses for such equity securities which are recorded in other income (expenses), net in the accompanying consolidated statements of income, respectively, for the three months ended September 30, 2019 and 2018 are as follows:

		Million	ns of yen	
	Three m ende September	ed	Three n end September	ed
Net gains and losses recognized during the period on equity securities	¥	83	¥	(176)
Less: net gains and losses recognized during the period on equity securities sold during the period		(25)		(47)
Unrealized gains and losses recognized during the period on equity securities still held as of September 30	¥	108	¥	(129)

Komatsu measures equity securities without readily determinable fair values by the method where changes in observable prices in orderly transactions for identical or similar investments issued by the same issuer are added to or subtracted from the carrying amount after the write-down due to impairment, except for investments which are measured at net asset value per share. As of September 30, 2019 and as of March 31, 2019, the carrying amounts of these investments were \mathbb{Y}7,261 million and \mathbb{Y}7,043 million, respectively. Any impairment or any adjustment relating to observable price changes recorded until September 30, 2019 and until March 31, 2019 were not material.

7. Other Intangible Assets

Intangible assets at September 30, 2019 and at March 31, 2019 are as follows:

			Millions	s of yen		
		September 30, 201	9		March 31, 2019	
	Gross carrying amount	Accumulated amortization	Net carrying amount	Gross carrying amount	Accumulated amortization	Net carrying amount
Other intangible assets subject to amortization:						
Software	¥46,930	¥ (20,251)	¥ 26,679	¥42,798	¥ (20,030)	¥ 22,768
Leasehold	7,240	(1,689)	5,551	8,363	(1,844)	6,519
Trademarks	53,893	(9,284)	44,609	55,913	(7,832)	48,081
Customer relationships	74,909	(22,319)	52,590	73,773	(20,752)	53,021
Technology assets	37,421	(10,320)	27,101	32,030	(9,177)	22,853
Other	7,067	(3,579)	3,488	7,359	(3,579)	3,780
Total	227,460	(67,442)	160,018	220,236	(63,214)	157,022
Other intangible assets not subject to amortization			9,073			9,384
Total other intangible assets			¥169,091			¥166,406

The aggregate amortization expense of other intangible assets subject to amortization during the six months ended September 30, 2019 and 2018 were ¥9,099 million and ¥10,407 million, respectively. The aggregate amortization expense of other intangible assets subject to amortization during the three months ended September 30, 2019 and 2018 were ¥4,616 million and ¥4,748 million, respectively.

8. Cost of Retirement Benefits

Net periodic cost of Komatsu's defined benefit plans for the six months ended September 30, 2019 and 2018, consisted of the following components:

		onths ended ber 30, 2019		onths ended lber 30, 2018
Service cost	¥	4,556	¥	4,505
Interest cost on projected benefit obligations		3,393		3,690
Expected return on plan assets		(5,395)		(6,044)
Amortization of actuarial loss		585		645
Amortization of prior service cost		142		68
Net periodic cost	¥	3,281	¥	2,864

Net periodic cost of the postretirement benefit plans for the six months ended September 30, 2019 and 2018 included the following components:

	Millions of yen					
		nths ended per 30, 2019		Six months ended September 30, 2018		
Service cost	¥	279	¥	267		
Interest cost on projected benefit obligations		277		289		
Expected return on plan assets		(293)		(300)		
Amortization of actuarial loss		23		57		
Amortization of prior service cost		2		3		
Net periodic cost	¥	288	¥	316		

Net periodic cost of Komatsu's defined benefit plans for the three months ended September 30, 2019 and 2018, consisted of the following components:

	Millions of yen				
		nonths ended ber 30, 2019		nonths ended ber 30, 2018	
Service cost	¥	2,241	¥	2,248	
Interest cost on projected benefit obligations		1,661		1,845	
Expected return on plan assets		(2,642)		(3,031)	
Amortization of actuarial loss		292		321	
Amortization of prior service cost		70		35	
Net periodic cost	¥	1,622	¥	1,418	

Net periodic cost of the postretirement benefit plans for the three months ended September 30, 2019 and 2018 included the following components:

	Millions of yen				
		onths ended er 30, 2019		onths ended er 30, 2018	
Service cost	¥	138	¥	142	
Interest cost on projected benefit obligations		137		154	
Expected return on plan assets		(145)		(152)	
Amortization of actuarial loss		11		30	
Amortization of prior service cost		1		2	
Net periodic cost	¥	142	¥	176	

Net periodic cost components other than the service cost of Komatsu's defined benefit plans and the postretirement benefit plans are recorded in other income (expenses), net in the accompanying consolidated statements of income.

9. Other Comprehensive Income (Loss)

Changes in accumulated other comprehensive income (loss) for the six months ended September 30, 2019 and 2018 are as follows:

	Millions of yen							
	Six months ended September 30, 2019							
	Foreign currency translation adjustments	Net unrealized holding gains(losses) on securities available for sale	Pension liability adjustments	Net unrealized holding gains (losses) on derivative instruments	Total			
Balance, beginning of the year	¥ (15,438)	¥ —	¥ (25,890)	¥ 1,536	¥ (39,792)			
Other comprehensive income (loss) before reclassifications Amounts reclassified from accumulated other comprehensive income (loss)	(66,214) —		(368)	527 (1,758)	(66,055) (1,245)			
Net other comprehensive income (loss)	(66,214)		145	(1,231)	(67,300)			
Less: other comprehensive income (loss) attributable to noncontrolling interests	(4,502)	_		(121)	(4,623)			
Other comprehensive income (loss) attributable to Komatsu Ltd.	(61,712)		145	(1,110)	(62,677)			
Equity transactions with noncontrolling interests	(29)	. 			(29)			
Balance, end of the period	¥ (77,179)	¥ —	¥ (25,745)	¥ 426	¥ (102,498)			

All amounts are net of tax.

	Millions of yen									
	Six months ended September 30, 2018									
	cu tra	oreign arrency nslation ustments	gain	t unrealized holding as(losses) on securities lable for sale	1i	ension ability ustments	holdii (lo on de	nrealized ng gains sses) rivative uments		Total
Balance, beginning of the year	¥	(10,166)	¥	681	¥	(22,745)	¥	3,080	¥	(29,150)
Cumulative effects of Accounting Standards Update—adoption of ASU 2016-01, net of tax		_		(681)		_		_		(681)
Other comprehensive income (loss) before reclassifications Amounts reclassified from accumulated other		41,705		_		71		(5,116)		36,660
comprehensive income (loss)						519		2,426		2,945
Net other comprehensive income (loss)		41,705		_		590		(2,690)		39,605
Less: other comprehensive income (loss) attributable to noncontrolling interests		1,853				7		(6)		1,854
Other comprehensive income (loss) attributable to Komatsu Ltd.		39,852		_		583		(2,684)		37,751
Equity transactions with noncontrolling interests		(2,074)				28				(2,046)
Balance, end of the period	¥	27,612	¥	_	¥	(22,134)	¥	396	¥	5,874

All amounts are net of tax.

Changes in accumulated other comprehensive income (loss) for the three months ended September 30, 2019 and 2018 are as follows:

	Millions of yen								
			Three mon	ths er	nded Septemb	oer 30,	2019		
	Fore curre transla adjustr	ency ation	Net unrealized holding gains(losses) on securities available for sale	1	Pension liability justments	holdi (le on de	nrealized ing gains osses) erivative ruments		Total
Balance, beginning of the period	¥ (4	46,124)	¥ —	¥	(25,562)	¥	915	¥	(70,771)
Other comprehensive income (loss) before reclassifications	(3	32,903)			(440)		455		(32,888)
Amounts reclassified from accumulated other comprehensive income (loss)					257		(972)		(715)
Net other comprehensive income (loss)	(3	32,903)	_		(183)		(517)		(33,603)
Less: other comprehensive income (loss) attributable to noncontrolling interests		(1,877)					(28)		(1,905)
Other comprehensive income (loss) attributable to Komatsu Ltd.	(3	31,026)	_		(183)		(489)		(31,698)
Equity transactions with noncontrolling interests		(29)	_		_		_		(29)
Balance, end of the period	¥ (7	77,179)	¥ —	¥	(25,745)	¥	426	¥	(102,498)

All amounts are net of tax.

	Millions of yen									
	Three months ended September 30, 2018									
	cu tra	oreign arrency nslation astments	gains se	unrealized nolding s(losses) on ecurities able for sale	1	Pension iability ustments	hold (1 on d	unrealized ling gains losses) lerivative truments		Total
Balance, beginning of the period	¥	7,223	¥	_	¥	(22,512)	¥	1,389	¥	(13,900)
Other comprehensive income (loss) before reclassifications Amounts reclassified from accumulated other		23,709				93		(2,436)		21,366
comprehensive income (loss)		_				271		1,439		1,710
Net other comprehensive income (loss)		23,709				364		(997)		23,076
Less: other comprehensive income (loss) attributable to noncontrolling interests		1,246				14		(4)		1,256
Other comprehensive income (loss) attributable to Komatsu Ltd.		22,463		_		350		(993)		21,820
Equity transactions with noncontrolling interests		(2,074)				28				(2,046)
Balance, end of the period	¥	27,612	¥	_	¥	(22,134)	¥	396	¥	5,874

All amounts are net of tax.

Reclassification out of accumulated other comprehensive income (loss) for the six months ended September 30, 2019 and 2018 are as follows:

	Milli	ons of yen	
	-	onths ended ber 30, 2019	Affected line items in consolidated statements of income
Pension liability adjustments			
Amortization of actuarial loss and prior service cost	¥	(752)	Other income (expenses), net: Other, net
		(752)	Total before tax
		239	Income taxes
		(513)	Net of tax
Net unrealized holding gains (losses) on derivative instruments			
Forwards contracts		847	Net sales
		(11)	Cost of sales
		1,971	Other income (expenses), net: Other, net
		2,807	Total before tax
		(1,049)	Income taxes
		1,758	Net of tax
Total reclassification for the period	¥	1,245	Net of tax
	Six mo	ons of yen onths ended ber 30, 2018	Affected line items in consolidated statements of income
B. 1. 1111	- Зерин	001 30, 2010	consolidated statements of medine
Pension liability adjustments Amortization of actuarial loss and prior service cost	¥	(773)	Other income (expenses), net: Other, net
Timoruzation of actuality 1000 and prior service cost		<u> </u>	· •
		(773) 254	Total before tax Income taxes
		(519)	Net of tax
		(31)	1101 01 1421
Net unrealized holding gains (losses) on derivative instruments			
Net unrealized holding gains (losses) on derivative instruments Forwards contracts		(3,348)	Other income (expenses), net: Other, net
		(3,348) (3,348) 922	Other income (expenses), net: Other, net Total before tax Income taxes
		(3,348)	Total before tax

Reclassification out of accumulated other comprehensive income (loss) for the three months ended September 30, 2019 and 2018 are as follows:

	Millions of yen		
		onths ended ber 30, 2019	Affected line items in consolidated statements of income
Pension liability adjustments			
Amortization of actuarial loss and prior service cost	¥	(374)	Other income (expenses), net: Other, net
		(374)	Total before tax
		117	Income taxes
		(257)	Net of tax
Net unrealized holding gains (losses) on derivative instruments			
Forwards contracts		655	Net sales
		(132)	Cost of sales
		704	Other income (expenses), net: Other, net
		1,227	Total before tax
		(255)	Income taxes
		972	Net of tax
Total reclassification for the period	¥	715	Net of tax
	Milli	ons of yen	
		onths ended ber 30, 2018	Affected line items in
Pension liability adjustments		001 50, 2010	consolidated statements of income
Amortization of actuarial loss and prior service cost		001 30, 2010	consolidated statements of income
1	¥	(388)	Other income (expenses), net: Other, net
•	¥	<u> </u>	
	¥	(388)	Other income (expenses), net: Other, net
	¥	(388)	Other income (expenses), net: Other, net Total before tax
Net unrealized holding gains (losses) on derivative instruments	¥	(388) (388) 117	Other income (expenses), net: Other, net Total before tax Income taxes
	¥	(388) (388) 117	Other income (expenses), net: Other, net Total before tax Income taxes
Net unrealized holding gains (losses) on derivative instruments	¥	(388) (388) 117 (271) (1,505)	Other income (expenses), net: Other, net Total before tax Income taxes Net of tax
Net unrealized holding gains (losses) on derivative instruments	¥	(388) (388) 117 (271)	Other income (expenses), net: Other, net Total before tax Income taxes Net of tax Other income (expenses), net: Other, net
Net unrealized holding gains (losses) on derivative instruments	¥	(388) (388) 117 (271) (1,505) (1,505)	Other income (expenses), net: Other, net Total before tax Income taxes Net of tax Other income (expenses), net: Other, net Total before tax

Tax effects allocated to each component of other comprehensive income (loss) for the six months ended September 30, 2019 and 2018 are as follows:

	Millions of yen					
	Six months ended September 30, 2019					
	Before tax amount		Tax (expense) or benefit			et of tax mount
Foreign currency translation adjustments						
Foreign currency translation adjustments arising during the period	¥	(66,291)	¥	77	¥	(66,214)
Less: reclassification adjustment for gains included in net income		_		_		_
Net foreign currency translation adjustments		(66,291)		77		(66,214)
Pension liability adjustments						
Pension liability adjustments arising during the period		(527)		159		(368)
Less: reclassification adjustment for losses included in net income		752		(239)		513
Net pension liability adjustments		225		(80)		145
Net unrealized holding gains (losses) on derivative instruments						
Unrealized holding gains arising during the period		1,204		(677)		527
Less: reclassification adjustment for gains included in net income		(2,807)		1,049		(1,758)
Net unrealized holding losses		(1,603)		372		(1,231)
Other comprehensive income (loss)	¥	(67,669)	¥	369	¥	(67,300)

	Millions of yen Six months ended September 30, 2018					
	Before tax amount		Tax (expense) or benefit			et of tax mount
Foreign currency translation adjustments						
Foreign currency translation adjustments arising during the period	¥	41,811	¥	(106)	¥	41,705
Less: reclassification adjustment for gains included in net income		_		_		_
Net foreign currency translation adjustments		41,811		(106)		41,705
Pension liability adjustments						
Pension liability adjustments arising during the period		79		(8)		71
Less: reclassification adjustment for losses included in net income		773		(254)		519
Net pension liability adjustments		852		(262)		590
Net unrealized holding gains (losses) on derivative instruments						
Unrealized holding losses arising during the period		(7,151)		2,035		(5,116)
Less: reclassification adjustment for losses included in net income		3,348		(922)		2,426
Net unrealized holding losses		(3,803)		1,113		(2,690)
Other comprehensive income (loss)	¥	38,860	¥	745	¥	39,605

Tax effects allocated to each component of other comprehensive income (loss) for the three months ended September 30, 2019 and 2018 are as follows:

	Millions of yen					
	Three months ended September 30, 2019				19	
	Before tax amount		Tax (expense) or benefit			let of tax amount
Foreign currency translation adjustments						
Foreign currency translation adjustments arising during the period	¥	(32,973)	¥	70	¥	(32,903)
Less: reclassification adjustment for gains included in net income		_		_		_
Net foreign currency translation adjustments		(32,973)		70		(32,903)
Pension liability adjustments						
Pension liability adjustments arising during the period		(636)		196		(440)
Less: reclassification adjustment for losses included in net income		374		(117)		257
Net pension liability adjustments		(262)		79		(183)
Net unrealized holding gains (losses) on derivative instruments						
Unrealized holding gains arising during the period		479		(24)		455
Less: reclassification adjustment for gains included in net income		(1,227)		255		(972)
Net unrealized holding losses		(748)		231		(517)
Other comprehensive income (loss)	¥	(33,983)	¥	380	¥	(33,603)

	Millions of yen Three months ended September 30, 2018					
					.8	
	Before tax amount		Tax (expense) or benefit		· • /	
Foreign currency translation adjustments						
Foreign currency translation adjustments arising during the period	¥	23,762	¥	(53)	¥	23,709
Less: reclassification adjustment for gains included in net income		_		_		_
Net foreign currency translation adjustments		23,762		(53)		23,709
Pension liability adjustments						
Pension liability adjustments arising during the period		108		(15)		93
Less: reclassification adjustment for losses included in net income		388		(117)		271
Net pension liability adjustments		496		(132)		364
Net unrealized holding gains (losses) on derivative instruments						
Unrealized holding losses arising during the period		(3,020)		584		(2,436)
Less: reclassification adjustment for losses included in net income		1,505		(66)		1,439
Net unrealized holding losses		(1,515)		518		(997)
Other comprehensive income (loss)	¥	22,743	¥	333	¥	23,076

10. Revenue

(1) Disaggregation of revenue

The disaggregation of revenue by operating and geographic segment are described in Note 20.

(2) Contract balances

Contract balances arising from contracts with customers at September 30, 2019 and at March 31, 2019 are as follows:

	M	Millions of yen			
	September 30, 2019	March 31, 20			
Receivables *1	¥ 974,574	¥	1,067,025		
Contract assets *2	6,166		7,443		
Contract liabilities *3	113,521		94,720		

^{*1} Receivables are included in trade notes and accounts receivable, net and long-term trade receivables, net in the accompanying consolidated balance sheets. These amounts are before deducting allowance for doubtful trade receivables.

The amount of revenue recognized during the six months and three months ended September 30, 2019, from performance obligations satisfied or partially satisfied in previous periods was immaterial.

(3) Transaction price allocated to the remaining performance obligations

As of September 30, 2019, the aggregate amount of the transaction price allocated to the remaining performance obligations that have original expected durations greater than one year was \\ \frac{\text{\frac{1}}}{181,658}\) million, of which \\ \frac{\text{\frac{8}}}{86,432}\) million is expected to be recognized as revenue in the twelve months following September 30, 2019.

11. Stock-Based Remuneration

The Company had a stock option plan which transfers the Company's shares to directors and certain employees, and certain representative directors of major subsidiaries under an agreement granting the right for them to request such transfers at a predetermined price until the fiscal year ended March 31, 2018.

From the fiscal year ended March 31, 2019, the Company has introduced a new compensation plan, i.e., the restricted stock compensation system for the purpose of providing directors (other than outside directors) and employees of the Company and directors and employees of major subsidiaries with medium- to long-term incentives and advancing the sharing of value between the directors and shareholders of the company. Compensation expenses during the six months ended September 30, 2019 and 2018 were recorded in selling, general and administrative expenses, and were not material to Komatsu's financial position and results of operations. Compensation expenses during the three months ended September 30, 2019 and 2018 were recorded in selling, general and administrative expenses, and were not material to Komatsu's financial position and results of operations. The Company recognizes compensation expense using the fair value method.

^{*2} Contract assets are included in trade notes and accounts receivable, net in the accompanying consolidated balance sheets. These amounts are before deducting allowance for doubtful trade receivables.

^{*3} Contract liabilities are included in other current liabilities and deferred income taxes and other liabilities in the accompanying consolidated balance sheets.

12. Leases

Revenues from finance and operating leases as lessor, included in net sales on the consolidated statement of income, for the six months ended September 30, 2019 are as follows:

	Mil	llions of yen
		months ended mber 30, 2019
Finance lease (sales-type lease) revenue		
Revenue recognized at the commencement date *1	¥	52,917
Interest income		5,084
Total finance lease (sales-type lease) revenue		58,001
Operating lease revenue		45,708
Total	¥	103,709

^{*1} The revenue recognized at the commencement date is included in net sales of the Construction, Mining and Utility Equipment operating segment.

Revenues from finance and operating leases as lessor, included in net sales on the consolidated statement of income, for the three months ended September 30, 2019 are as follows:

	Millions of ye	
		months ended aber 30, 2019
Finance lease (sales-type lease) revenue		
Revenue recognized at the commencement date *2	¥	21,816
Interest income		2,495
Total finance lease (sales-type lease) revenue		24,311
Operating lease revenue		23,615
Total	¥	47,926

^{*2} The revenue recognized at the commencement date is included in net sales of the Construction, Mining and Utility Equipment operating segment.

13. Net Income Attributable to Komatsu Ltd. per Share

The Company has the restricted stock compensation system (hereinafter, the "System") for directors (other than outside directors) and employees of the Company and directors and employees of major subsidiaries. Among the new shares issued under the System, those transfer restrictions which have not been cancelled are distinguished as participating securities from common shares. Each common share and restricted stock has the same rights to net income attributable to Komatsu Ltd.

A reconciliation of the numerators and denominators of the basic net income attributable to Komatsu Ltd. per share computations is as follows:

	Millions of yen				
		nonths ended mber 30, 2019			
Net income attributable to Komatsu Ltd.	¥	90,062	¥	125,385	
Net income attributable to participating securities (restricted stocks)		31		6	
Net income attributable to common shareholders	¥	90,031	¥	125,379	
		Number	of shares		
		nonths ended ember 30, 2019		nonths ended mber 30, 2018	
Weighted average number of common shares outstanding, less treasury stock	Ģ	944,025,303	ò	943,425,146	
Weighted average number of participating securities (restricted stocks)		329,917		43,576	
Weighted average number of common shares		943,695,386	g	943,381,570	
		Y	en en		
		nonths ended ember 30, 2019		nonths ended mber 30, 2018	
Basic net income attributable to Komatsu Ltd. per share		95.40		132.90	
		Million	ns of yen		
		months ended mber 30, 2019		months ended mber 30, 2018	
Net income attributable to Komatsu Ltd.	¥	42,586	¥	62,415	
Net income attributable to participating securities (restricted stocks)		17		6	
Net income attributable to common shareholders	¥	42,569	¥	62,409	
		Number	of shares		
		months ended ember 30, 2019		months ended mber 30, 2018	
Weighted average number of common shares outstanding, less treasury stock		944,114,481	Ç	943,514,170	
Weighted average number of participating securities (restricted stocks)		377,649		86,678	
Weighted average number of common shares	9	943,736,832	Ģ	943,427,492	
	Yen				
		months ended ember 30, 2019	Three	months ended mber 30, 2018	
Basic net income attributable to Komatsu Ltd. per share		45.11		66.15	

A reconciliation of the numerators and denominators of the diluted net income attributable to Komatsu Ltd. per share computations is as follows:

	Millions of yen			
		nonths ended mber 30, 2019		onths ended mber 30, 2018
Net income attributable to Komatsu Ltd.	¥	90,062	¥	125,385
Net income attributable to participating securities (restricted stocks)		31		6
Net income attributable to common shareholders	¥	90,031	¥	125,379
		Number	of shares	
		nonths ended mber 30, 2019		onths ended mber 30, 2018
Weighted average number of common shares outstanding, less treasury stock Dilutive effect of:	9	944,025,303	9	943,425,146
Stock options		820,742		1,147,656
Weighted average number of participating securities (restricted stocks)		329,917		43,576
Weighted average number of diluted common shares	9	944,516,128	9	944,529,226
	Six m	onths ended	en Six m	onths ended
	Septe	mber 30, 2019	Septe	mber 30, 2018
Diluted net income attributable to Komatsu Ltd. per share		95.32		132.74
			ns of yen	
		months ended mber 30, 2019		months ended mber 30, 2018
Net income attributable to Komatsu Ltd.	¥	42,586	¥	62,415
Net income attributable to participating securities (restricted stocks)		17		6
Net income attributable to common shareholders	¥	42,569	¥	62,409
		Number	of shares	
		months ended mber 30, 2019		months ended mber 30, 2018
Weighted average number of common shares outstanding, less treasury stock	9	944,114,481	9	943,514,170
Dilutive effect of:				
Stock options		777,632		1,100,246
Weighted average number of participating securities (restricted stocks)		377,649		86,678
Weighted average number of diluted common shares	9	944,514,464	9	944,527,738
	Yen			
		months ended mber 30, 2019		months ended mber 30, 2018
Diluted net income attributable to Komatsu Ltd. per share		45.07		66.07

14. Contingent Liabilities

At September 30, 2019 and at March 31, 2019, Komatsu was contingently liable for discounted and transferred receivables on a recourse basis with the financial institutions of ¥37 million and ¥103 million, respectively.

Komatsu provides guarantees to third parties of loans of the employees, affiliated companies, customers and other companies. The guarantees of loans relating to the employees are mainly made for their housing loans. The guarantees of loans relating to the affiliated companies, customers and other companies are made to enhance the credit of those companies. For each guarantee provided, Komatsu would have to perform under a guarantee if the borrower defaults on a payment within the contract terms. The contract terms are from 10 years to 30 years in the case of employees with housing loans, and from 1 year to 7 years in the case of loans relating to the affiliated companies, customers and other companies. The maximum amount of undiscounted payments Komatsu would have had to make in the event of default at September 30, 2019 and at March 31, 2019 were ¥14,087 million and ¥14,917 million, respectively. The fair value of the liabilities recognized for Komatsu's obligations as guarantors under those guarantees at September 30, 2019 were insignificant. Certain of those guarantees were secured by collateral and insurance issued to Komatsu.

Komatsu provides guarantees that subsidiaries of the Company perform the obligations of the terms and conditions of contracts by standby letters of credit issued by banks. Komatsu would have to pay the liabilities incurred to banks if the subsidiaries don't perform the obligations of the terms and conditions of contracts. The maximum amount of undiscounted payments Komatsu would have had to make in the event of defaults of the contracts at September 30, 2019 and at March 31, 2019 were \mathbb{\frac{1}{2}}13,998 million and \mathbb{\frac{1}{2}}16,850 million, respectively.

Management of the Company believes that losses from those contingent liabilities, if any, would not have a material effect on the quarterly consolidated financial statements.

Komatsu is involved in certain legal actions and claims arising mainly in the ordinary course of its business. It is the opinion of management and legal counsel that such litigation and claims will be resolved without material effect on Komatsu's financial position.

Komatsu has business activities with customers, dealers and associates around the world and its trade receivables from such parties and the guarantees for them are well diversified to minimize concentrations of credit risks. Management does not anticipate incurring losses on its trade receivables in excess of established allowances.

15. Derivative Financial Instruments

Notional principal amounts of derivative financial instruments outstanding at September 30, 2019 and at March 31, 2019 are as follows:

		Millions of yen			
	Septer	September 30, 2019		rch 31, 2019	
Forwards contracts:					
Sale of foreign currencies	¥	166,146	¥	209,878	
Purchase of foreign currencies		104,830		145,476	
Interest rate swaps and cross-currency swap agreements		83,708		108,606	

Fair value of derivative instruments at September 30, 2019 and at March 31, 2019 on the consolidated balance sheets are as follows:

	Millions of yen							
	September 30, 2019							
Derivative instruments designated as hedging instruments	Derivative Assets		Derivative Liabilities					
	Location on the consolidated Balance Sheets	Estimated fair value	Location on the consolidated Balance Sheets	Estimated fair value				
Forwards contracts	Other current assets Deferred income taxes and other assets	¥ 923 10	Other current liabilities Deferred income taxes and other liabilities	¥ 1,463 290				
Interest rate swaps and cross-currency swap agreements	Other current assets Deferred income taxes and other assets		Other current liabilities Deferred income taxes and other liabilities	4 878				
Total		¥ 933		¥ 2,635				
	Derivative Assets		Derivative Liabilities					
Undesignated derivative instruments	Location on the consolidated Balance Sheets	Estimated fair value	Location on the consolidated Balance Sheets	Estimated fair value				
Forwards contracts	Other current assets Deferred income taxes and other assets	¥ 2,106 1	Other current liabilities Deferred income taxes and other assets	¥ 837				
Interest rate swaps and cross-currency swap agreements	Other current assets Deferred income taxes and other assets	210 200	Other current liabilities Deferred income taxes and other liabilities	316				
Total		¥ 2,517		¥ 1,154				
Total Derivative Instruments		¥ 3,450		¥ 3,789				

	Millions of yen								
	March 31, 2019								
	Derivative Assets		Derivative Liabilities						
Derivative instruments designated as hedging instruments	Location on the consolidated Balance Sheets	Estimated fair value	Location on the consolidated Balance Sheets	Estimated fair value					
Forwards contracts	Other current assets Deferred income taxes and other assets	¥ 893 1	Other current liabilities Deferred income taxes and other liabilities	¥ 577 404					
Interest rate swaps and cross-currency swap agreements	Other current assets Deferred income taxes and other assets	3	Other current liabilities Deferred income taxes and other liabilities	513					
Total		¥ 898		¥ 1,495					
	Derivative Assets		Derivative Liabilities						
Undesignated derivative instruments	Location on the consolidated Balance Sheets	Estimated fair value	Location on the consolidated Balance Sheets	Estimated fair value					
Forwards contracts	Other current assets Deferred income taxes and other assets	¥ 1,980 2	Other current liabilities Deferred income taxes and other liabilities	¥ 1,649 2					
Interest rate swaps and cross-currency swap agreements	Other current assets Deferred income taxes and other assets	98 104	Other current liabilities Deferred income taxes and other liabilities	163 46					
Total		¥ 2,184		¥ 1,860					
Total Derivative Instruments		¥ 3,082		¥ 3,355					

The effects of derivative instruments on the consolidated statements of income and the consolidated statements of comprehensive income for the six months ended September 30, 2019 and 2018 are as follows:

Derivative instruments designated as cash flow hedging relationships

	Millions of yen								
	Six months ended September 30, 2019								
	Amount of gains (losses) recognized		Gains (losses) reclassified from accumulated OCI on derivatives						
		in OCI derivatives	Location of consolidated statements of income	Amount					
Forwards contracts	¥	1,637	Net sales	¥	847				
			Cost of sales		(11)				
			Other income (expenses), net:		1,971				
			Other, net						
Interest rate swaps and		(433)	_		_				
cross-currency swap agreements									
Total	¥	1,204		¥	2,807				

				Millio	ons of yen						
		Six months ended September 30, 2018									
			Effective portion			Ineffective portio excluded from effective					
	ga 1	Amount of tins (losses) ecognized in OCI derivatives	Location of gains (losses) reclassified from accumulated OCI into income	Amount of gains (losses) reclassified from accumulated OCI into income		Location of gains (losses) recognized in income on derivatives	gai re i	amount of ins (losses) ecognized n income derivatives			
Forwards contracts	¥	(7,133)	Other income (expenses), net: Other, net	¥	(4,814)	Other income (expenses), net: Other, net	¥	1,466			
Interest rate swaps and cross-currency swap agreements		(18)	_		_	_					
Total	¥	(7,151)		¥	(4,814)		¥	1,466			

^{*} OCI stands for other comprehensive income (loss).

Derivative instruments not designated as hedging instruments relationships

	Millions of yen							
	Six months ended Sep	Six months ended September 30, 2019						
	Location of gains (losses) recognized in income on derivatives		gains (losses) recognized ome on derivatives					
Forwards contracts	Other income (expenses), net: Other, net	¥	40					
Interest rate swaps and	Cost of sales		(20)					
cross-currency swap agreements	Other income (expenses), net: Other, net		(164)					
Total		¥	(144)					

	Millions of yen							
	Six months ended Sept	Six months ended September 30, 2018						
	Location of gains (losses) recognized in income on derivatives		nt of gains (losses) recognized n income on derivatives					
Forwards contracts	Other income (expenses), net: Other, net	¥	1,233					
Interest rate swaps and cross-currency swap agreements	Cost of sales Other income (expenses), net: Other, net		(58) (14)					
Total		¥	1,161					

The effects of derivative instruments on the consolidated statements of income and the consolidated statements of comprehensive income for the three months ended September 30, 2019 and 2018 are as follows:

Derivative instruments designated as cash flow hedging relationships

	Millions of yen								
	Three months ended September 30, 2019								
	gains	ount of (losses)		Gains (losses) reclassified from accumulated OCI on derivatives					
	ir	OCI erivatives	Location of consolidated statements of income	Amount					
Forwards contracts	¥	579	Net sales	¥	655				
			Cost of sales		(132)				
			Other income (expenses), net:		704				
			Other, net						
Interest rate swaps and cross-currency swap agreements		(100)			_				
Total	¥	479		¥	1,227				

				Milli	ons of yen			
			Three mon	ths end	ed September 30	, 2018		
			Effective portion			Ineffective portio excluded from effective		
	g	Amount of ains (losses) recognized in OCI a derivatives	Location of gains (losses) reclassified from accumulated OCI into income	Amount of gains (losses) reclassified from accumulated OCI into income		Location of gains (losses) recognized in income on derivatives	gai re i	amount of ons (losses) ecognized on income derivatives
Forwards contracts	¥	(3,005)	Other income (expenses), net: Other, net	¥	(2,568)	Other income (expenses), net: Other, net	¥	1,063
Interest rate swaps and cross-currency swap agreements		(15)	_		_	_		
Total	¥	(3,020)		¥	(2,568)		¥	1,063

^{*} OCI stands for other comprehensive income (loss).

Derivative instruments not designated as hedging instruments relationships

	Millions of yen						
	Three months ended S	eptember 30, 2019					
	Location of gains (losses) recognized in income on derivatives		gains (losses) recognized ome on derivatives				
Forwards contracts	Other income (expenses), net: Other, net	¥	218				
Interest rate swaps and	Cost of sales		103				
cross-currency swap agreements	Other income (expenses), net: Other, net		(156)				
Total		¥	165				

	Millions of yen							
	Three months ended September 30, 2018							
		gains (losses) recognized ome on derivatives						
Forwards contracts	Other income (expenses), net: Other, net	¥	155					
Interest rate swaps and	Cost of sales		(30)					
cross-currency swap agreements	Other income (expenses), net: Other, net		(38)					
Total		¥	87					

16. Fair Values of Financial Instruments

(1) Cash and cash equivalents, Time deposits, Short-term debt

The carrying amounts approximate fair value because of the short maturity of these instruments.

(2) Investment securities, marketable equity securities (Note 17)

The fair values of investment securities are stated in Note 17 and therefore are not included in the table below.

(3) Long-term trade receivables

The fair values of long-term trade receivables are based on the present value of future cash flows through maturity, discounted using the current interest rates for similar receivables of comparable maturity.

(4) Long-term debt, including current portion

The fair values of each of the long-term debt are based on the quoted price in the most active market or the present value of future cash flows associated with each instrument discounted using the current market borrowing rate for similar debt of comparable maturity.

(5) Derivatives (Notes 15 and 17)

The fair values of derivative financial instruments are stated in Note 17 and therefore are not included in the table below.

The carrying amounts and the estimated fair values of the financial instruments as of September 30, 2019 and as of March 31, 2019, and fair value levels are summarized as follows:

	Septembe	er 30, 2019	March	31, 2019	
	Carrying amount	Estimated fair value	Carrying amount	Estimated fair value	Fair Value Levels
Cash and cash equivalents	¥ 163,002	¥ 163,002	¥ 148,479	¥ 148,479	Level 1
Time deposits	1,745	1,745	2,331	2,331	Level 2
Long-term trade receivables, net	420,762	420,762	416,363	416,363	Level 2
Short-term debt	427,797	427,797	404,659	404,659	Level 2
Long-term debt, including current portion	523,581	522,170	526,041	523,921	Level 2

Notes:

- 1) Fair value estimates are made at a specific point in time, based on relevant market information and information about the financial instrument. These estimates are subjective in nature and involve uncertainties and matters of significant judgment and therefore cannot be determined with precision. Changes in assumptions could affect the estimates.
- 2) The fair value levels are stated in Note 17.

17. Fair value measurements

ASC 820, "Fair Value Measurements" defines that fair value is the price that would be received to sell an asset or paid to transfer a liability in an orderly transaction between market participants at the measurement date. ASC 820 establishes a three-level fair value hierarchy that prioritizes the inputs used to measure fair value. The three levels of inputs used to measure fair value are as follows:

- **Level 1** Quoted prices in active markets for identical assets or liabilities
- **Level 2** Inputs other than quoted prices included within Level 1 that are observable for the assets or liabilities, either directly or indirectly
- **Level 3** Unobservable inputs for the assets or liabilities

Assets and liabilities that are measured at fair value on a recurring basis

The fair value hierarchy levels of assets and liabilities that are measured at fair value on a recurring basis at September 30, 2019 and at March 31, 2019 are as follows:

Water 51, 2017 are as follows.	Millions of ven							
At September 30, 2019	Level 1		Level 2		Level 3			Total
Assets								
Investment securities, marketable equity securities								
Manufacturing industry	¥	113	¥	_	¥	_	¥	113
Derivatives								
Forward contracts		_		3,040		_		3,040
Interest rate swaps and cross-currency swap agreements				410				410
Total	¥	113	¥	3,450	¥	_	¥	3,563
Liabilities								
Derivatives								
Forward contracts	¥	_	¥	2,591	¥	_	¥	2,591
Interest rate swaps and cross-currency swap agreements				1,198		_		1,198
Total	¥		¥	3,789	¥		¥	3,789
				Millions	•			
At March 31, 2019	L	evel 1		Level 2	L	evel 3		Total
Assets								
Investment securities, marketable equity securities								
Manufacturing industry	¥	430	¥	_	¥	_	¥	430
Derivatives								- 0= -
Forward contracts		_		2,876		_		2,876
Interest rate swaps and cross-currency swap agreements				206				206
Total	¥	430	¥	3,082	¥		¥	3,512
Liabilities			-					
Derivatives								
Forward contracts	¥	_	¥	2,632	¥	_	¥	2,632
·								702
Interest rate swaps and cross-currency swap agreements				723				723

Investment securities

Marketable equity securities are classified in Level 1 in the fair value hierarchy. Marketable equity securities are measured using a market approach based on the quoted market prices in active markets.

Derivatives (Notes 15 and 16)

Derivatives primarily represent foreign exchange contracts and interest rate swap agreements. The fair value of foreign exchange contracts is based on a valuation model that discounts cash flows resulting from the differential between contract rate and the market-based forward rate and is classified in Level 2 in the fair value hierarchy. The fair value of interest rate swap agreements is based on a valuation model that discounts cash flows based on the terms of the contract and the swap curves and is classified in Level 2 in the fair value hierarchy.

The following table summarizes information about changes of Level 3 for the six months ended September 30, 2019 and 2018:

	Millions of yen				
	Six months ended September 30, 2019			nths ended per 30, 2018	
Balance, beginning of year	¥	_	¥	(242)	
Total gains or losses (realized / unrealized)		_		36	
Included in earnings		_		51	
Included in other comprehensive income (loss)				(15)	
Balance, end of period	¥	_	¥	(206)	

The amount of unrealized gains on classified in Level 3 liabilities recognized in earnings for the six months ended September 30, 2018 related to liabilities still held at September 30, 2018 was gain of ¥51 million. This gain was reported in other income (expenses), net in the consolidated statements of income.

The following table summarizes information about changes of Level 3 for the three months ended September 30, 2019 and 2018:

	Millions of yen			
	Three mor September		Three months ended September 30, 2018	
Balance, beginning of period	¥	_	¥	(212)
Total gains or losses (realized / unrealized)		_		6
Included in earnings		_		12
Included in other comprehensive income (loss)				(6)
Balance, end of period	¥	_	¥	(206)

The amount of unrealized gains on classified in Level 3 liabilities recognized in earnings for the three months ended September 30, 2018 related to liabilities still held at September 30, 2018 was gain of \(\xi\$12 million. This gain was reported in other income (expenses), net in the consolidated statements of income.

Assets and liabilities that are measured at fair value on a non-recurring basis

During six months ended September 30, 2019 and 2018 assets and liabilities that were measured at fair value on a non-recurring basis were not material.

18. Committed Credit Lines

Certain consolidated subsidiaries have entered into contracts with certain financial institutions for committed credit lines. These total amounts of committed credit lines at September 30, 2019 and at March 31, 2019 were \(\frac{\pmathbf{1}}{22}\),496 million and \(\frac{\pmathbf{1}}{316}\),014 million, respectively. These total amounts of unused committed credit lines available for full and immediate borrowings at September 30, 2019 and at March 31, 2019 were \(\frac{\pmathbf{1}}{118}\),123 million and \(\frac{\pmathbf{1}}{24}\),150 million, respectively.

19. Dividends

Six months ended September 30, 2019

(1)Payment amount of dividends

Resolution	Type of stock	Aggregate amount of dividends (Millions of yen)	Resource of dividends	Dividend per share (Yen)	Record date	Effective date
Ordinary general meeting of shareholders held on June 18, 2019	Common stock	55,718	Retained earnings	59	March 31, 2019	June 19, 2019

Note: The amount is rounded down to nearest million yen.

(2) Dividends to be paid for the six months ended September 30, 2019, of which effective date is after September 30, 2019

Resolution	Type of stock	Aggregate amount of dividends (Millions of yen)	Resource of dividends	Dividend per share (Yen)	Record date	Effective date
Board of Directors held on October 30, 2019	Common stock	51,967	Retained earnings	55	September 30, 2019	December 2, 2019

Note: The amount is rounded down to nearest million yen.

Six months ended September 30, 2018

(1)Payment amount of dividends

Resolution	Type of stock	Aggregate amount of dividends (Millions of yen)	Resource of dividends	Dividend per share (Yen)	Record date	Effective date
Ordinary general meeting of shareholders held on June 19, 2018	Common stock	45,301	Retained earnings	48	March 31, 2018	June 20, 2018

Note: The amount is rounded down to nearest million yen.

(2) Dividends to be paid for the six months ended September 30, 2018, of which effective date is after September 30, 2018

Resolution	Type of stock	Aggregate amount of dividends (Millions of yen)	Resource of dividends	Dividend per share (Yen)	Record date	Effective date
Board of Directors held on October 29, 2018	Common stock	48,155	Retained earnings	51	September 30, 2018	November 29, 2018

Note: The amount is rounded down to nearest million yen.

20. Business Segment and Geographic Information

Komatsu has three operating segments: 1) Construction, Mining and Utility Equipment, 2) Retail Finance, and 3) Industrial Machinery and Others. Those operating segments which have separate financial information are available for allocating resources and assessing its performance by management.

The accounting policies employed for the preparation of segment information are identical to those employed for the preparation of the quarterly consolidated financial statements of the Company.

Segment profit available for allocating resources and assessing its performance by management is determined by subtracting the cost of sales and selling, general and administrative expenses from net sales attributed to the operating segment. Segment profit excludes certain general corporate administration and finance expenses, such as costs of executive management, corporate development, corporate finance, human resources, internal audit, investor relations, legal and public relations. Segment profit also excludes certain charges which may otherwise relate to operating segments, including impairments of long-lived assets and goodwill.

Operating segments:

Information about operating segments for the six months ended September 30, 2019 and 2018 is as follows:

		Millions of yen			
		months ended ember 30, 2019		months ended ember 30, 2018	
Net sales:					
Construction, Mining and Utility Equipment –					
External customers	¥	1,109,313	¥	1,195,186	
Intersegment		2,361		5,410	
Total		1,111,674		1,200,596	
Retail Finance –					
External customers		31,144		26,625	
Intersegment		3,639		2,812	
Total		34,783		29,437	
Industrial Machinery and Others –					
External customers		73,028		96,230	
Intersegment		701		812	
Total		73,729		97,042	
Elimination		(6,701)		(9,034)	
Consolidated	¥	1,213,485	¥	1,318,041	
Segment profit:			-		
Construction, Mining and Utility Equipment	¥	129,833	¥	183,938	
Retail Finance		6,810		9,582	
Industrial Machinery and Others		4,039		7,514	
Total segment profit		140,682		201,034	
Corporate expenses and elimination		7		(1,901)	
Consolidated	¥	140,689	¥	199,133	

Information about operating segments for the three months ended September 30, 2019 and 2018 is as follows:

	Millions of yen			
		e months ended ember 30, 2019		e months ended mber 30, 2018
Net sales:				
Construction, Mining and Utility Equipment –				
External customers	¥	548,715	¥	603,063
Intersegment		1,482		3,322
Total		550,197		606,385
Retail Finance –				
External customers		15,678		13,654
Intersegment		1,826		1,524
Total		17,504		15,178
Industrial Machinery and Others –				
External customers		39,325		55,264
Intersegment		383		533
Total		39,708		55,797
Elimination		(3,691)		(5,379)
Consolidated	¥	603,718	¥	671,981
Segment profit:				
Construction, Mining and Utility Equipment	¥	61,144	¥	95,620
Retail Finance		3,406		4,090
Industrial Machinery and Others		3,485		4,470
Total segment profit		68,035		104,180
Corporate expenses and elimination		(89)		(957)
Consolidated	¥	67,946	¥	103,223

Reconciliation of total segment profit to consolidated income before income taxes and equity in earnings of affiliated companies for the six months ended September 30, 2019 and 2018 is as follows:

		Millions of yen				
		months ended ember 30, 2019		months ended ember 30, 2018		
Total segment profit	¥	140,682	¥	201,034		
Corporate expenses and elimination		7		(1,901)		
Consolidated		140,689		199,133		
Other operating income (expenses), net		1,293		1,174		
Operating income		141,982		200,307		
Interest and dividend income		3,732		3,683		
Interest expense		(13,108)		(11,410)		
Other, net		(4,394)		(71)		
Consolidated income before income taxes and equity in earnings of affiliated companies	¥	128,212)	¥	192,509)		

Reconciliation of total segment profit to consolidated income before income taxes and equity in earnings of affiliated companies for the three months ended September 30, 2019 and 2018 is as follows:

		Millions of yen			
		months ended nber 30, 2019		Three months ended September 30, 2018	
Total segment profit	¥	68,035	¥	104,180	
Corporate expenses and elimination		(89)		(957)	
Consolidated		67,946		103,223	
Other operating income (expenses), net		(724)		1,036	
Operating income		67,222		104,259	
Interest and dividend income		1,986		1,710	
Interest expense		(6,458)		(5,987)	
Other, net		(1,448)		(413)	
Consolidated income before income taxes and equity in earnings of affiliated companies	¥	61,302	¥	99,569	

Business categories and principal products and services included in each operating segment are as follows:

a) Construction, Mining and Utility Equipment operating segment:

Excavating equipment, loading equipment, grading and roadbed preparation equipment, hauling equipment, forestry equipment, tunneling machines, underground mining equipment, recycling equipment, industrial vehicles, other equipment, engines and components, casting products and logistics

b) Retail Finance:

Financing

c) Industrial Machinery and Others operating segment:

Metal forging and stamping presses, sheet-metal machines, machine tools, defense systems, temperature-control equipment and others Transfers between segments are made at estimated arm's length prices.

Geographic information:

Net sales determined by customer location for the six months ended September 30, 2019 and 2018 are as follows:

		Millions of yen								
		Six months ended September 30, 2019								
		ruction, Mining ility Equipment	Retai	1 Finance		al Machinery l Others		Total		
Japan	¥	148,738	¥	1,003	¥	34,094	¥	183,835		
The Americas		440,065		24,140		7,438		471,643		
Europe and CIS		178,580		1,364		3,429		183,373		
China		61,444		1,644		11,057		74,145		
Asia (excluding Japan and China)										
and Oceania		218,525		2,960		16,820		238,305		
Middle East and Africa		61,961		33		190		62,184		
Total	¥	1,109,313	¥	31,144	¥	73,028	¥	1,213,485		

	<u></u>	winnons of yen								
		uction, Mining lity Equipment	Retai	l Finance		al Machinery l Others		Total		
Japan	¥	137,488	¥	913	¥	40,508	¥	178,909		
The Americas		443,297		20,066		18,659		482,022		
Europe and CIS		165,824		1,334		7,151		174,309		
China		81,440		1,601		10,465		93,506		
Asia (excluding Japan and China)										
and Oceania		287,603		2,665		19,416		309,684		
Middle East and Africa		79,534		46		31		79,611		
Total	¥	1 195 186	¥	26.625	¥	96 230	¥	1 318 041		

Net sales determined by customer location for the three months ended September 30, 2019 and 2018 are as follows:

				Millions	of ven			
		Three months ended September 30, 2019						
		Construction, Mining and Utility Equipment		Retail Finance		Industrial Machinery and Others		Total
Japan	¥	84,961	¥	558	¥	20,240	¥	105,759
The Americas		222,103		12,149		4,209		238,461
Europe and CIS		85,383		689		2,330		88,402
China		25,207		808		4,840		30,855
Asia (excluding Japan and China)								
and Oceania		100,007		1,459		7,531		108,997
Middle East and Africa		31,054		15		175		31,244
Total	¥	548,715	¥	15,678	¥	39,325	¥	603,718
				Millions	of yen			
				Three month September				
		action, Mining lity Equipment	Retai	l Finance	Industrial Machinery and Others			Total
Japan	¥	73,584	¥	466	¥	23,045	¥	97,095
The Americas		225,999		10,273		12,230		248,502
Europe and CIS		80,597		716		3,807		85,120
China		30,913		810		5,935		37,658
Asia (excluding Japan and China)								
and Oceania		150,594		1,356		10,234		162,184

Net sales determined by geographic origin for the six months ended September 30, 2019 and 2018 are as follows:

41,376

603,063

33

13,654

41,422

671,981

13

55,264

Middle East and Africa

Total

		Millions of yen			
	Six months ended September 30, 2019		Six months ended September 30, 2018		
Japan	¥	253,075	¥	301,222	
The Americas		441,105		436,698	
Europe and CIS		187,061		180,228	
China		66,426		86,525	
Others		265,818		313,368	
Total	¥	1,213,485	¥	1,318,041	

Net sales determined by geographic origin for the three months ended September 30, 2019 and 2018 are as follows:

		Millions of yen			
	Three months ended September 30, 2019		Three months ended September 30, 2018		
Japan	¥	137,842	¥	161,018	
The Americas		223,727		223,102	
Europe and CIS		89,091		89,314	
China		27,263		34,691	
Others		125,795		163,856	
Total	¥	603,718	¥	671,981	

There were no sales to a single major external customer for the six months and three months ended September 30, 2019 and 2018.

21. Material Subsequent Events

Not applicable.

Komatsu evaluated subsequent events through November 13, 2019, the issue date of its quarterly consolidated financial statements.

22. Terminology, Forms and Preparation Methods of Quarterly Consolidated Financial Statements

The terminology, forms and preparation methods of the Company's quarterly consolidated financial statements are in accordance with U.S. GAAP.

The main differences between quarterly consolidated financial statements prepared in accordance with U.S. GAAP and those prepared in accordance with the Accounting Standards for Quarterly Consolidated Financial Statements and the Ordinance on Terminology, Forms and Preparation Methods of Quarterly Consolidated Financial Statements of Japan (hereinafter "J. GAAP") are as follows.

(1) Scope of consolidation

For quarterly consolidated financial statements in accordance with J. GAAP, the scope of consolidation is determined on an effective control and influence basis. For quarterly consolidated financial statement in accordance with U.S. GAAP, the scope of consolidation is determined on the shareholding basis on which the determination is based on voting rights and on a consolidation basis of variable interest entities.

(2) Accounting policies

a. Deferred income on installment sales

Although deferral of income on installment sales is permitted in accordance with J. GAAP, the Company recognizes income at the time of sales without deferring income on installment sales in its quarterly consolidated financial statements in accordance with U.S. GAAP.

b. Share issuance cost

Although in accordance with J. GAAP, share issuance cost is permitted to be recognized in profit or loss when incurred, the Company treats such cost in a deduction item from capital surplus as expenses incidental to capital transactions in its quarterly consolidated financial statements in accordance with U.S. GAAP.

c. Accounting for retirement benefits

Although in accordance with J. GAAP, net actuarial gains or losses are required to be amortized over certain periods that are shorter than the average remaining years of service, the Company has adopted the corridor approach in its quarterly consolidated financial statements in accordance with U.S. GAAP.

d. Business combination and goodwill

Goodwill is required to be amortized over certain periods in accordance with J. GAAP, while U.S. GAAP requires companies to implement impairment test at least once annually without goodwill being amortized. For intangible fixed assets with indefinite useful lives, U.S. GAAP also requires companies to implement impairment test without such assets being amortized.

(3) Presentation methods and other matters

a. Presentation of legal retained earnings

Although in accordance with J. GAAP, legal retained earnings is recorded as retained earnings together with other surplus, the Company separately presents as appropriated legal reserve in its quarterly consolidated financial statements in accordance with U.S. GAAP.

b. Extraordinary income and loss

In accordance with J. GAAP, gain or loss on certain sales of non-current assets, such as gain or loss from the sale of properties, is presented as extraordinary income or loss. However, since there is no concept of extraordinary items in U.S. GAAP, extraordinary income or loss is not presented in the Company's quarterly consolidated financial statements.