

KOMATSU OILS AND LUBRICANTS MEET THE CHALLENGES OF MODERN ENGINE DESIGN.

The Komatsu genuine Powertrain oil TO Series has been developed by Komatsu to deliver the best oil performance required in the Powertrains of construction machinery under severe operating conditions. The TO Series provides superior antiwear, heat resistance, and friction retention characteristics, thus boosting the life of Powertrain systems.

Accordingly, to extend the life of your equipment, Komatsu has developed a whole new range of quality oils and lubricants to handle the increased demands of modern high technology low emission engines.

These new generation oils and lubricants have been developed with unique and unrivalled technology. Using them with Komatsu engines is essential to increase durability and achieve top performance.

These Komatsu Genuine Oils are marketed and distributed by L&T Construction & Mining Machinery through its Dealer outlets nationwide.

ZONE	L&T OFFICE	ADDRESS	DEALER	LOCATION	CONTACT
EAST	L&T Office - Kolkata	"Larsen & Toubro Limited, Construction Equipment Business 3-B Shakespeare Sarani, Kolkata 700071"	N.K. Bhojani Private Limited	Barbil	Mobile: 9937002060 / 9937009124
			N K B Industrial Products Pvt Limited	Bhubaneswar	Mobile: 9437018997 / 9437475578
			SRL Earthmoving Solution Private Limited	Kolkata	Mobile: 9434778016
			Saurav Auto Pvt. Ltd	Durgapur	Mobile: 9434778011
			Hiralal Industrial Technologies Pvt. Limited	Guwahati	Tel: (0361) 2229135 / Mobile: 9435103306
			Agency House	Ranchi	Mobile: 9771485412
			D D Enterprise	Dhanbad	Mobile: 9771485411
			Lalmalsawma	Andaman	Tel: (03192)230241/233016 Mobile:9434282414
				Arumachal Pradesh	Mobile: 9856102700 / 9436040165
				Aizawl, Mizoram	Tel: (0389) 2351331 / Mobile: 9436140884
NORTH	L&T Office - Delhi	"Larsen and Toubro Limited, Construction Equipment Business 32, Shivaji Marg, New Delhi 110015"	Abhinav Industrial Products	Jalpur/Kota	Tel: (0744) 2410221 / Mobile 9828111484 , 9828111483
				Jodhpur	Mobile: 9828314446
			Rajasthan Diesels Sales & Services	Udaipur	Tel: (0294) 3051419 / Mobile: 9414160863
			Gajanan Motors	Raj Samand	Mobile: 9829910767, 9001796734
				Jhansi	Mobile:9415113757 / 9415030262 / 8874207327
			A S Engineering Associates	Lucknow	Tel: (0522) 4016591, 4075197, 9936294696
				Chopan	Mobile: 9936294697
			P K Enterprises	Waidhan	Mobile : 7773012190, 7773012191
			Action Earthmovers	Chandigarh	Tel: (0172) 2734092, Mobile: 9417002521
			Darson Traders	Delhi	Tel: (011) 25065478 Mobile : 9213097955
SOUTH	L&T Office - Hyderabad	"Larsen & Toubro Limited, Construction Equipment Business Vasanth Chambers, 1st Floor 5-10-173 Fateh Maidan Road, Hyderabad-500004"	Mithra Earth Movers	Srinagar	Tel: (0194) 2456895 Mobile : 9596500993, 9419060236
				Dehradun	Tel: (0135) 2669654, Mobile: 9410393944, 9410393940
	L&T Office - Bangalore	"Larsen & Toubro Limited, Construction Equipment Business 38, Cubbon Road, Bangalore - 560001"	M S Engineers	Hyderabad	Tel: (040) 66510245 Mobile: 7032980984
			G.P. Enterprises	Vijayawada	Tel: (0866) 6666175 Mobile : 9963993766
	L&T Office - Pune	"Larsen & Toubro Limited, Construction Equipment Business L&T House, 191/1, Dhule Patil Road, Pune 411 001"	AayCee Excon	Coimbatore	Tel (0422) 2441943 Mobile:9443369047 / 9489069047
			Anugraha Construction Eqp'l Services & Support Pvt Ltd	Madurai	Tel: (0452) 4200010 Mobile: 9894671234
	L&T Office - Nagpur	"Larsen & Toubro Limited, Construction Equipment Business 12, Shivaji Nagar, North Ambazari Road, Nagpur 440010"	Cinzac Corporation	Chennai	Tel: (044) 24764970 Mobile:9444946384 / 9444946385
			Deccan Earthmovers Ahmedabad	Bengaluru	Tel: 080 41280481 / Mobile: 9902030126
	L&T Office - Indore	"Larsen & Toubro Limited, Construction Equipment Business 12, Shivaji Nagar, North Ambazari Road, Nagpur 440010"	Protik Enterprises	Kochi	Tel: (0484) 4081047 / 9447139532
			C S Diesels Engineering	Gujarat	Tel: +91 9714504004 / 9714504009
WEST	L&T Office - Mumbai	"Larsen & Toubro Limited, Construction Equipment Business 12, Shivaji Nagar, North Ambazari Road, Nagpur 440010"	Proficient Equipment Solutions	Pune	Mobile :+91 7774035418 / 7888035539
			Unitrade Equipment & Services Pvt Ltd	Kolhapur	Mobile :+91 7447410670
			Deccan Earthmovers - Indore	Sholapur	Mobile :+91 7447410665
				Nashik	Mobile :+91 7447410675
				Mumbai / Goa	Mobile : +91 9892566713
				Nagpur	Tel: (07104) 237251 Mobile: +917720030471
				Bhilai/Korba	Mobile : +919425606277
				Indore	Tel: (0731) 3924224 / Mobile :+918889977734

KOMATSU GENUINE POWERTRAIN OIL

PEPA 1060

TO SERIES



L&T Construction & Mining Machinery
Larsen & Toubro Limited

Lakshminarayan Complex, First Floor, 10/1, Palace Road, Bangalore - 560052,
Tel: 080 - 2225 6982/83/84. www.larsentoubo.com/constructionmining-machinery/

KOMATSU

Komatsu India Private Limited

"Pride Quadra", 1st floor, #30, Bellary Road, H.B. Nagar, Bangalore - 560024
Tel: +91 802355 6021-26 Fax: +91 802355 6020. www.komatsuindia.in

KOMATSU

Powertrain Oil for Construction Machinery under Severe Operating Conditions

The Komatsu Genuine Powertrain Oil TO Series has been developed by Komatsu to deliver the oil performance required in the Powertrain components of construction machinery under severe operating conditions. The TO Series provides superior antiwear, heat resistance and friction retention characteristics, thus extending the life of Powertrain components.



The Komatsu TO Series of high-quality Powertrain Oils meets Komatsu's exacting quality requirements

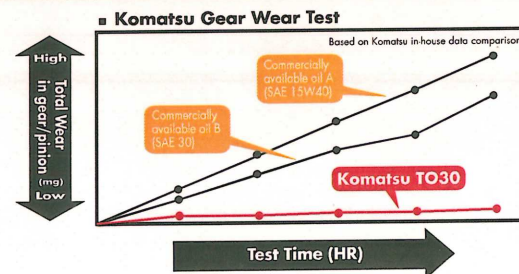


TYPE		PRODUCT CODE	VISCOSITY (ISO)	PACKING	FEATURES
Single-Grade Oil	TO30	SYZZ-TO30-CN	K TO 30	20L	Suitable for Powertrains of Planetary type transmissions or gear cases
Single-Grade Oil	TO30	SYZZ-TO30-DM-Y	K TO 30	209L	Suitable for counter shaft type transmission and hydraulic equipment

Features of Komatsu Genuine Powertrain Oil "TO Series"

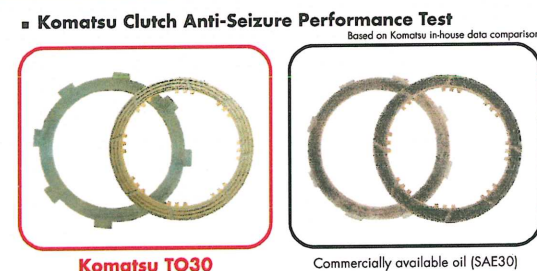
1 Antiwear Performance

Its superior antiwear performance prevents wear/pitting in gears and bearings, extending the components life of Powertrain systems.



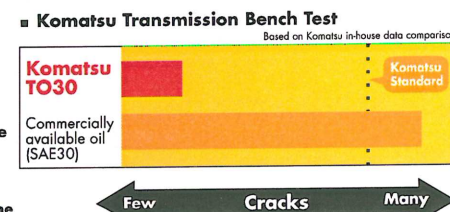
2 Anti-Seizure Performance

Superior anti-seizure performance prevent damage to transmission clutches and disk plates, leading to longer life.



3 Maintaining Good Friction Retention Characteristics for the Long Term

If a transmission clutch has lower friction retention due to deteriorated oil, excessive clutch slippage causes thermal cracks. Maintaining appropriate friction retention characteristics will prevent damage and flaking of the disks and plates, keeping the traction force of the machine.



4 Suitable for all Material used in Powertrain Components

The product has passed metal corrosion and sealing material compatibility tests for all materials used in Powertrain Systems.

ITEM	MATERIAL	TEST CONDITIONS
Corrosion resistance	Copper	Komatsu Amihot Test
	Lead	
Disk Compatibility	Organic Sintered Alloy	Komatsu Disk Compatibility Test
Sealing Compatibility	NBR	<ul style="list-style-type: none"> Rate of change of Hardness Rate of change of Tensile Force Rate of change of Elongation Rate of change of Volume
	Urethane	
	Acrylic Flurinated	

PASSED ALL THESE TESTS!