

Product Information



LUBRITECH
Special Application Lubricants

LOCOLUB TML SYN 460 and 3200

Synthetic Blend Gear and Bearing Lubricant

Description

LOCOLUB TML SYN 460 and 3200 Synthetic Blend Gear and Bearing Lubricant is a high performance synthetic blend extreme pressure gear and bearing lubricant compounded using premium synthetic base fluids and highly refined mineral oil combined with a synergistic blend of additives that provide the rust, corrosion, oxidation, anti-wear, and extreme pressure protection required in demanding industrial and mobile applications.

LOCOLUB TMGL SYN 460 and 3200 Synthetic Blend Gear and Bearing Lubricant is specifically designed to meet the severe demands for high load carrying and complex metal protection (Steel, Copper, Brass & Babbitt Alloys) under the very demanding conditions typically found in heavily loaded reductions gear sets and journal bearings. This lubricant will withstand sliding velocities and shock loading conditions present in the applications due to its unique viscometric and adhesive properties.

Field of application

LOCOLUB TMGL SYN 460 and 3200 Synthetic Blend Gear and Bearing Lubricants meet or exceed the critical requirements of the following applications and OEM specifications:

General Electric
U. S. Steel 224
AGMA EP 9005-E02
DIN 51517 Part 3
Cincinnati Machine EP Gear Oils
GM LS-2
ISO 12925-1 CKC/D

- **Industrial EP/AW Protection**
- **Unique Viscometric and Adhesive Properties**
- **Excellent Boundry Lubrication**
- **Improved Gear Efficiency**
- **Superior Film Strength during Operation and Shut-Down**
- **Lowers Friction and Protects Metal Surfaces**

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Technical Data

Characteristics	Value		Unit	Test
	LOCOLUB TML SYN 460	LOCOLUB TML SYN 3200		
AGMA Grade	7 EP	10 EP		AGMA 9005
Density	0.9	0.9	kg/l	ASTM D 4052
Viscosity @ 100°C	36.6	138.8	cSt	ASTM D 445
Viscosity @ 40°C	467	3262	cSt	ASTM D 445
Viscosity Index	119	128		ASTM D 2270
Pour Point	-26 (-32)	16 (-9)	°F (°C)	ASTM D 97
4-Ball EP, Weld Point	315	315	Kgf	ASTM D 2783
4-Ball LWI	43.4	49.5	Kgf	ASTM D 2783
4-Ball Wear	0.35	0.35	mm	ASTM D 4172
FZG Test	14+	14+	Failure Stage	DIN 51354
Rust Test, Distilled Water	Pass	Pass		ASTM D 665
Rust Test, Sea Water	Pass	Pass		ASTM D 665
Copper Corrosion	1b	1b		ASTM D 130

As far as we know this information reflects the current state of knowledge and our research. It cannot, however, be taken as an assurance about the properties nor as a guarantee of the suitability of the product for the individual case in point. Before using our products the purchaser must, therefore, check their suitability and be satisfied that the output will be satisfactory. Our products undergo continuous improvement. We therefore retain the right to change our product program, the products, and their manufacturing processes as well as all details of our product information sheets at any time and without prior announcement, unless otherwise provided in customer-specific agreements. With the publication of this product information sheet, all previous editions cease to be valid.

We are specialized in developing products for extreme tribological problems in cooperation with end users. FUCHS provides service and individual advice. Please contact us! E-Mail: Lubritech-US@fuchs.com

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