

## LUBEX MITRAS TO SERIES

### HIGH PERFORMANCE TRANSMISSION OILS

#### PRODUCT DESCRIPTION

They are high performance transmission oils which are formulated with paraffinic base oils. They contain additives which provide high pressure resistance, prevent oxidation of oil, protect the material against rust and prevent corrosion. They have been developed in order to use in medium conditions and they meet Caterpillar TO-4 specification.

#### APPLICATION/USAGE

They are especially used in transmissions, gear boxes, oil-bath disc brakes and couplers of heavy duty business machines. They provide maximum protection in hydraulic applications and high pressure systems.

#### ADVANTAGES/BENEFITS

- Reduce wear, thus increase the equipment performance by increasing production capacity.
- Due to their special additives, prevent formation of sediment and foaming.
- They are long lasting products due to their thermal stability and high oxidation resistance.
- Protect gears against rust and corrosion.
- Reduce oil leakage, oil consumption and contamination, reduce need for maintenance and increase the reliability of gearbox.
- Their performance characteristics do not change even under severe operating conditions.
- Provides extended oil and equipment life with extended oil and filter change intervals.

- Thanks to the antifoams it contains, it does not foam unless there is a mechanical problem. This prevents cavitation in the pumps.
- Reduce the waste disposal costs by minimizing the frequency and amount of oil change due to their long life.

#### SPECIFICATIONS/APPROVALS

Caterpillar TO-4  
GM ALLISON C-4  
Komatsu Micro-Clutch  
Komatsu KES 07.868.1  
ZF TE-ML 01, 03

#### STORAGE

Protect from direct sunlight and rain. Store in the original closed drums and in covered areas. Storage temperature must be between (+5)-(+40)°C.

#### HEALTH AND SAFETY

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application. Used or waste product should not be allowed to contaminate soil or water. Used or waste product should be disposed of in accordance with local regulations. For further guidance on product Health and Safety refer to the appropriate Material Safety Data Sheet.

TECHNICAL PROPERTIES	TYPICAL VALUES			TEST METHOD
	10	30	50	
Density (20°C, g/cm <sup>3</sup> )	0,890	0,895	0,900	ASTM D 1298
Kinematic Viscosity (100°C, cSt)	4,1	11,5	19	ASTM D 445
Viscosity Index	98	95	93	ASTM D 2270
Flash Point (°C)	210	220	230	ASTM D 92
Pour Point (°C)	-30	-18	-15	ASTM D 97

"The above information is derived from our quality checks. Given values are typical of current production. While future production will conform to our specification, variations in these characteristics may occur. Quality Control Analysis Report for to learn properties of the product that is supplied can give. It does not relieve the purchaser from examining product upon delivery and gives no assurance of the product for any particular purpose. Due to continual product research and development, the information contained herein is subject to change without notification."

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**BELGİN**

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