

GEARLUBE M 460



Gear Oil



Industrial Oils



Fully Synthetic

HIGH-PERFORMANCE ENCLOSED SYSTEM GEAR OILS

DESCRIPTION AND APPLICATION

It is a high-performance gear oil designed for use in all enclosed gear units with circulating or splash lubrication systems, offering superior extreme pressure and load-carrying properties. It is formulated to protect gear surfaces against wear. Thanks to its additives, it prevents micropitting wear. While providing compatibility with gearbox sealing materials, it also offers a high level of wear and corrosion protection. By helping to maintain the integrity of gearbox sealing materials, it prevents oil leaks and contamination. It is recommended for industrial straight, helical, and bevel enclosed gears. It is suitable for gears operating under heavy or shock loads. Additionally, it can be used in non-gear applications such as bearings and roller bearings.

FEATURES AND BENEFITS

- It provides excellent protection against gear wear caused by micropitting.
- It ensures compatibility with a wide variety of sealing element materials.
- It offers excellent resistance to oil oxidation and thermal degradation.
- It demonstrates high resistance to sludge and deposit formation.
- It shows exceptional resistance to foaming and emulsion formation.

PERFORMANCE

Meets the performance specifications of USS 224, AGMA 9005-F16, ZF TE-ML 04F, AIST 224, General EP/Anti-Wear Component, DIN 51517 Part 3, and David Brown S1-53-101 (E).

HEALTH, SAFETY, AND ENVIRONMENTAL RECOMMENDATIONS

Lubran motor oil should not come into contact with skin or eyes, should not be ingested, and its vapors should not be inhaled. In case of contact with skin or eyes, wash with plenty of soapy water and seek medical attention if necessary. If ingested, do not induce vomiting and seek emergency medical help. If vapors are inhaled, take deep breaths and seek medical assistance if needed. Used Lubran motor oils should not be disposed of in the trash, sewer, or environment; they should be collected in waste oil containers in accordance with local regulations and delivered to authorized recycling centers. It should not be mixed with any petroleum products or chemicals. It should not be burned in stoves or boilers. Store in places out of reach of children. Empty containers should not be disposed of in the trash or left in the environment; they should be delivered to licensed recycling organizations. For detailed information, please refer to the "Material Safety Data Sheet."

STORAGE CONDITIONS

Lubran motor oil packaging should not be exposed to prolonged direct sunlight. The packaging should not come into contact with water. The oils should not come into contact with dust and should be kept away from dusty environments. The ambient temperature should not exceed 40°C. The proper use of this product and compliance with applicable laws and regulations are entirely the responsibility of the user. Lubran cannot be held responsible for any damage or loss arising from the abnormal or improper use of the product or any hazards and consequences related to the product's composition.

TYPICAL FEATURES

| PHYSICAL PROPERTIES | METHOD | GEARLUBE M 420 |
|------------------------------------|-------------|----------------|
| Density, g/cm ³ at 15°C | ASTM D 4052 | 0,90 |
| Kinematic Viscosity, cSt, at 40°C | ASTM D 445 | 414-506 |
| Viscosity Index min. | ASTM D 2270 | 95 |
| Pour Point, °C, max. | ASTM D 97 | -20 |
| Flash Point, °C, min. | ASTM D 92 | 235 |

PACKAGING TYPES



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