



150

DESCRIPTION:

E.P. Gear Oil. Water, foam and corrosion resistant formulation. Advanced additive package extends oil changes and is compatible with copper and brass. Mainlube 150 meets and exceeds API GL-4, GL-5, GL-6, MT-1, Mack GO-J, GO-H, Eaton PS-037 specifications.

Available in SAE 80w90, 90, 85w140, 140 & 250 or ISO 150, 220, 320, 460 & 1000.

CHARACTERISTICS:

Mainlube 150 is designed to provide improved:-

Thermal stability.

Oil seal life.

Corrosion protection to yellow metals.

Durability under wet and dry conditions.

All of which overcome the growing concern of Original Equipment Manufacturers (OEM) And Vehicle Machinery Owners.

Improved Thermal Stability

Mainlube 150 provides complete protection against the formation of sludge, oxidation, carbonaceous deposit build-up and excessive viscosity increases thereby ensuring long service life of transmission components.

Modern high performance transmission sets are subject to high thermal loads due to the following reasons :

Changes in vehicle aerodynamics.

Higher horsepower

Wider use of driveline retarders.

Extended low and high speeds.

Increased power requirements.

Heavier Loads.

Extended maintenance intervals for transmissions and rear axles .

As a result of the increased energy required in these situations, gear set temperatures can exceed 180°C. Mainlube 150 effectively handles these situations and will also lower the operating temperature 10°C or more due to the 50% over treat of stabilised EP additives.

Maximum Performance

150's E.P. additives ensure maximum performance under all operating conditions, eg; high and low temperatures and high shock loads.

Without these specialised E.P. additives normal gear oils can become thick and heavy during temperature drops also when run at high temperatures they can form heavy deposits that become hard, clogging systems and filters. This results in the draining of energy increasing oil consumption.



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Oil Seal Life Extended

When using ordinary gear oils in hot extended oil change applications, lubricant decomposition builds up sludge and deposits in the seal underlip area. These deposits cause the seal temperature to be 20 to 30° C higher than the already elevated transmission temperature. Mainlube 150 prevents high temperature seal failure because Mainlube 150 reduces the overall gearbox temperature and the seal underlip areas remain clean.

Improved Durability

When machinery is stopped ordinary gear oils migrate away from the metal surfaces leaving the load areas exposed. This allows oxidation of the load area resulting in corrosion pitting wear failures, reducing the life of gear sets.

Mainlube 150 prevents pitting fatigue damage by retaining a thin film of protective lubricant on load bearing surfaces.

Extreme Pressure

Mainlube 150 is fortified with advanced extreme pressure supplements that withstand harsh conditions. The “stay put” properties of 150's E.P. film effectively quietens drive line noises. There is no interaction between metals causing corrosion as may occur with ordinary gear oils, therefore 150's additives will protect copper and brass alloys in wet or dry conditions.

Water Resistant

Mainlube 150 is formulated with specialised demulsifiers that quickly separate water so it can be simply drained off. Mainlube 150 is water and condensation resistant.

Hypoid Gear Application

Mainlube 150 can be used in hypoid gears where the pinion gear is less than 25% of the crown wheel or where the pinions and crown wheel is more than 2 inches offset.

Non Foaming Formulation

Mainlube 150's foam inhibitors prevent the development of foam during service. Foam lowers the density of gear lubricants allowing metal to metal contact to occur, this shortens the life of expensive transmissions and their components.

SPECIFICATIONS:

Mainlube 150 is available in four different grades:

SAE	80w90	90	85w140	140	&	250
ISO	150	220,	320,	460,	&	1000

Mainlube 150 meets and exceeds the following international OEM specifications.

FORD	VOLVO
GENERAL MOTORS	DAIMLER-BENZ
CHRYSLER	ROCKWELL
AMERICAN MOTORS	CLARK
BORG WARNER	FULLER
MACK	EATON

(These are some of the manufacturers)

INDUSTRIAL AND MILITARY SPECIFICATIONS.

Mainlube 150 not only meets the basic Requirements of these specifications but exceeds all of the Requirements in both Sub-Artic and Desert Climates.

MILITARY SPECIFICATIONS

Mainlube 150 meets or exceeds the following military specifications:

MIL-L-2104C
MIL-L-2105C
MIL-L-10324A (Sub-artic)
MIL-L-2105D
MIL-PRF-2105E

SPECIFICATIONS:

ICHORS (International Climatic Stability Rating) - 'AA'

API GL 3
API GL 4
API GL 5
API GL6 now superseded.
API MT-1
PG1
PG2

APPLICATION:

Initial fill, top-up or refill of:

- (a) Automotive Manual Transmissions
- (b) Automotive Hypoid differentials
- (c) Automotive Steering gear boxes
- (d) All Industrial Reduction Gearboxes where E.P. Gear Oils are called for.
- (E) Industrial Enclosed Oil Bathed Chain Sets.

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DISTRIBUTED BY:

