

DESCRIPTION:

Extreme Duty Solid Boundary Additive Gear Oil. Advanced High Temperature Load Stable Organic Solid Boundary Additives are blended with Synthetic Polyalphaolefin base fluid. Mainlube 154 provides a Long-Life Extreme Loading Water, Foam and Corrosion resistant Gear Lubricant.

Available in SAE 75w90, 75w140.

CHARACTERISTICS:

Mainlube 154's solid boundary additives provide improved thermal conductivity and stability by removing heat from high friction areas and redistributing the energy evenly through out the gear case speeding up heat dissipation. Mainlube 154's solid boundary additives dramatically reduce corrosion and heat damage to bronze ring gears in heavily loaded worm drive units, 154's Cooler operating temperature enable improved seal life when operating in high-energy applications

Improved Thermal Stability

Mainlube 154 provides protection against the formation of sludge, oxidation, carbonaceous deposit build-up and excessive viscosity increases thereby ensuring long service life of transmission components.

Modern machinery is subject to heavy loading and to meet production deadlines are often required to perform far and above of their original design loads. The increased friction energy created by these situations can cause gear set temperatures to exceed 180°C. Mainlube 154 effectively handles these situations and will also lower operating temperatures due to the high percentage of stabilised Solid Boundary EP Additives preventing metal to metal contact. When machines are required to operate at these high loads and temperatures Mainlube recommends seal compound type to be adjusted to suit operating temperatures.

Maximum Performance

154's E.P. additives ensure maximum performance under any extreme loading conditions. Other premium gear oils are oxidised and damaged when run at these high temperatures. This burns the oil forming heavy deposits that become hard, clogging lubrication systems and filters. Also once the lubricant is burnt it becomes thick and heavy during temperature drops causing extra friction over loading further and wasting energy.

Improved Durability

Mainlube 154 has the ability to prevent metal to metal welding by changing the wear surface tension in the load zone so dramatically that metal to metal bonding is impossible. 154's Solids also tend to be rammed into the metal surfaces reinforcing pitting fatigue areas. 154's Solids prevent point load by evenly spreading pressure and enabling to slide in and out of mesh without metal to metal contact in the course of heavily loaded operations.

Energy Removal

Mainlube 154 is fortified with advanced extreme pressure supplements that withstand harsh conditions. The wear surface separation properties of 154's E.P. film effectively quietens drive line noises. 154's Additives will protect copper and copper alloys in wet or dry conditions. There is no interaction between metals causing corrosion as may occur with heavily reinforced Chemical EP gear oils.

SPECIFICATIONS:

Mainlube 154 is available in two different grades:

SAE 75w90, 75w140.

SPECIFICATIONS:

Mainlube 154 meets and exceeds the following 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 154 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 154 meets or exceeds the following military specifications:

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

AUTOMOTIVE SPECIFICATIONS:

ICHORS (International Climatic Stability Rating) - 'AA'

API GL 3
API GL 4
API GL 5
MT-1
MACK GO-H & GO-J

INDUSTRIAL SPECIFICATIONS:

US Steel 224
Cincinnati Milacron
AGMA 250.04, 251.02

APPLICATION:

Initial fill, top-up or refill of:

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



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SPECIFICATIONS:

MAINLUBE SUPERIOR MAINTENANCE LUBRICANTS PTY LIMITED
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DISTRIBUTED BY:

SB154-3 AHAC