



LEAHY·WOLF

Lubricating specialists since 1946



LEAHY-WOLF GEAR OILS Synmaster EP Gear Lubricants, 75W90 and 80W140

Leahy-Wolf Synmaster EP Gear Lubricants are designed to handle low start-up temperature conditions, while providing excellent gear protection in conversely high operating temperatures. Blended with 100% PAO synthetic base stocks as well as extreme pressure additives, these gear oils contain a unique blend of anti-wear and anti-oxidation agents for increased service intervals. Designed for steel gear and reducer applications where severe conditions exist, Synmaster multi-grade gear oils last longer than conventional oils, handling both hot and cold temperatures. This results in fewer service intervals. Synmaster gear oils resist thickening at lower temperatures, retaining their fluidity to -40 °F versus most petroleum based gear oils that are fluid to only -20 °F. With Synmaster EP Gear Oil, gear boxes are protected through a wide-range of temperatures. Synmaster EP Gear Lubricants are completely compatible with petroleum oils, and are formulated to protect seals from leakage.

ADVANTAGES:

- Premium, 100% PAO Synthetic oil
- Temperature range greater than conventional oils
- Compatible with petroleum oils
- Protects gear boxes in extreme temperatures
- Designed for use in limited slip applications
- Longer service intervals due to premium protection
- High levels of anti-oxidation and anti-wear agents
- Extreme pressure additives for heavy-load carrying capability

Synmaster gear oils contain a unique blend of anti-wear and anti-oxidation agents for increased service intervals.

These oils resist thickening at lower temperatures, retaining their fluidity beyond the range of conventional oils.

Problem:

We're working in cold temperatures throughout the winter, and the sluggish nature of our gear oil is always putting us at risk for equipment failure. We tried using a lighter weight, conventional oil, but at normal operating temperatures, that oil proved to be too thin to lubricate the gears.

Solution:

Leahy-Wolf Synmaster EP multi-grade gear lubricants are fully synthetic and can handle ranges of temperatures beyond the capabilities of conventional gear oils. Synmaster EP's are designed to provide excellent gear protection from start-up conditions through operating temperatures in nearly any ambient environment.

Properties & Applications

	SAE 75W-90	80W-140
Kinematic Viscosity @ 100°C, cSt (ASTM D-445) 1	5.3	27.8
Kinematic Viscosity @ 40°C, cSt (ASTM D-445)	112.7	329.0
Flash Point °C (°F) (ASTM D 92)	206 (403)	210 (410)
Pour Point °C (°F) (ASTM D 97)	-45 (-49)	-40 (-40)
Four-Ball Wear Test (ASTM D-4172B: 40kg, 75°C, 1200 rpm, 1 hr) Scar diameter, mm	0.40	0.35

- API MT-1
- API GL-2 through GL-5
- MIL PRF-2105E
- MACK GO-J , GO-J PLUS
- GM 12346190
- FORD M2C197-A, M2C201A
- ROCKWELL 0-76-E, 0-76-L
- CHRYSLER MS-8985, MS-9070
- EATON/FULLER PS-037A, PS-109