

Advanced Performance Multi-Grade Gear Oil 80W-90 and 85W-140



Heavy duty gear oil specifically formulated to solve problems with industrial equipment.

- Provides superior protection against leaking seals, dry starts, water contamination, oxidation and foaming.
- Lasts up to four times longer than conventional gear oils.
- Eliminates Dry Start Wear
- Prevents Seals from Leaking
- Prevents Rust and Corrosion
- Displaces Water for Easy Drainage
- Controls Foaming
- Lowers Operating Temperatures and Resists Oxidation to Prolong Oil Life

Description

Application Areas

- Industrial Manufacturing
- Utility Plants
- Paper Mills & Packaging Plants
- Steel Mills & Foundries
- Printing
- Food Processing Plants
- Chemical Plants
- Plastic and Rubber Plants
- Refineries

Physical Properties	80w/90	85/140
Weight Per Gallon, Lbs.	7.5	7.5
Viscosity, cSt @40°C	176.78	410.50
Viscosity, cSt @100°C	17.8	29.1
Viscosity, SUS @40°C	819.0	1902.0
Viscosity, SUS @100°C	89.3	138.2
Viscosity Index	110	98
Fire Point	230 °C	230 °C
Pour Point	-27°C	12°C
Maximum Continuous Operating Temp.	160 °C	160 °C
Copper Corrosion, ASTM D- 130, 3 Hours @ 250°F	Pass, 1 B	Pass, 1 B
Thermal Oxidation Stability Test L-60	Pass	Pass
Falex Load, ASTM 3233, Failure Load, Lbs.	60	60
Film Strength, Four Ball Method, ASTM D-2783	315	400
Weld, Load, KG	315	400
Load Wear Index	57	69
Wear Scar Diameter, ASTM D-4172, MM	0.28	0.28

Features and Benefits

Meets or Exceeds the Following Performance Requirements:

All API GL-3, GL-4 and GL-5
(most GL-1 and GL-2 applications)

DIN 51517 Part 3.

David Brown S1.53.101.

Cincinnati Milacron P-59.

Military specification MIL-L-2105D.

Military specification MIL-PRF-2105E.

Viscosity Ranges 4EP, 5EP and 6EP.

AGMA 250.04.

Rockwell Standard 0-76 (80W-90 only).

KW Dart specifications (80W-90 only).

Mack GO-J and GO-H.

US Steel 224.

DANA SHAES-234.

WARNING: Consult the label for full instructions and precautions before using this product.

MEGA DISTRIBUTORS

PO Box 10185
North Shore Mail Centre
Auckland 0745
Phone: 09 473 6505
Fax: 09 473 6501
Email: sales@megadistributors.co.nz

www.megadistributors.co.nz



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Additives	Benefits
Premium Grade Base Oil	Superior grade, highly-refined base oil resists oxidation and high-temperature breakdown to maintain better lubricity.
Adhesive and Cohesive Polymers, Tackiness Agents	Keep oil on gears during high-speed operations and during idle periods. Helps prevent mechanical wear, stress fractures and dry starts
Rust and Corrosion Inhibitors	Blocks out corrosive elements such as acids, water, condensate and steam by forming a protective barrier on equipment surfaces to prevent chemical wear.
Extreme Pressure (EP) Agents	Heat seeking additive which increases the ability of the lubricant to prevent the extreme wear that can occur under loads.
Oxidation Inhibitors	Extends service life of the lubricant by retarding the oxidation or breakdown process.
Shock Load Reducers	Cushions impact to minimize the stress, vibration and chatter that can occur under heavy loads and during start-stop operations.
Seal Conditioners	Special compounds that soften and condition seals to keep them from hardening and cracking.
Leak Inhibitors	Most seal leaks occur because many oils cause seals to shrink. Special agents provide a controlled swell to bring the seals back to their normal size.
Demulsifiers	Separates water from oil to keep metal surfaces dry. Allows excess water to be drained from equipment.
Anti-Foam Agents	Withstand agitation and heat without forming foam contaminants. Reduce pressure levels on seals and vents.
Viscosity Index Improvers	Maintain full viscosity over a wider temperature range to ensure full protection in fluctuating conditions. Eliminate the need to switch oil grades in different seasons.

Ideal for use in:

Differentials, Limited-Slip Differentials, Simple Manual Transmissions, Axles, Power Dividers, Gear Trains, Bronze Gears (up to 93°C) and Gear Boxes including enclosed gears of spur type, hypoid, spiral bevel, worm, herringbone, helical, planetary and unusual combinations of gear types. Can be added as make-up oil to other GL-5 paraffin-base gear oils.

Do not use for:

Automatic (use LubeMaster ATF), universal C-3 fluid (use LubeMaster OIL-ALL), combined transmissions. Truck transmissions that only allow the use of GL-1 gear oil / motor oil (use STRATA Motor Oils), Spicer/Dana or Fuller transmissions (use LubeMaster Eaton Approved Lubricants) or any other equipment for which the manufacturer does not recommend this type of gear lubricant.

Never mix with asphaltic-type or "SCL"-type lubricants.

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