



## **PREMIUM SG OILS** **(GL-5/MT-1 Meeting OEM Requirements)**

**PREMIUM SG OILS** are full synthetic gear oils. They are PAO based and have high viscosity indices and exceptionally low pour points. They meet the performance requirements of heavy-duty manual transmissions and final drives used in the trucking, mining and construction industries, as well as in stationary gearboxes. They exhibit a wide operating temperature range, eliminating the need for seasonal oil changes. Even in extremely cold weather, these products provide superior protection at startup and maintain shifting ease.

**PREMIUM SG OILS** have demonstrated outstanding ability to reduce friction. Heavy-duty fleet operators have been able to reduce fuel consumption in their fleets by using synthetic as opposed to conventional gear lubricants.

Today's aerodynamic truck designs significantly reduce transmission and final drive ventilation. As a result, operating temperatures have increased and so have deposits. **PREMIUM SG OILS** far exceeds the ability of conventional oils in oxidation resistance. This has served to reduce sludge, varnish and other deposits dramatically, and enable oil change intervals to be extended.

In addition, they exhibit excellent anti-rust, anti-corrosion, water separation and shear stability. They are compatible with seals, paints, coatings, and other materials commonly used in automotive and fleet equipment.

### **BENEFITS:**

- REDUCE SLUDGE AND VARNISH DEPOSITS
- EXTENDED DRAIN CAPABILITY
- PROMOTES FUEL ECONOMY
- EXCELLENT LOW TEMPERATURE PERFORMANCE
- LOWER MAINTENANCE COST
- REDUCES FRICTIONAL DRAG

### **APPLICATIONS:**

**PREMIUM SG OILS** are recommended for all vehicles which specify API GL-5 and MT-1 gear oils, and for applications where heat and wear present major concerns. These applications include manual transmissions where EP lubricants are required, differentials and transfer cases for heavy equipment, tractors, industrial gear drives, and farm machinery. **PREMIUM SG OILS** are designed to meet the requirements of Eaton and ArvinMeritor (formerly Rockwell) transmission for extended drain intervals and is recommended for use in their axles. They are formulated to meet:

- API Service Classifications GL-5 and MT-1
- MIL-L-2105E
- SAE J 2360
- Mack Truck GO-J
- General Electric D 50E9C
- ArvinMeritor Specification 076-N (75W-90)
- ArvinMeritor Specification 076-Q (80W-140)



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### TYPICAL CHARACTERISTICS

SAE Grade	75W-90	80W-140
Product Code	40xxx	40xxx
API Gravity (ASTM D-1298)	29.5	27.7
Specific Gravity (ASTM D-1298)	0.877	0.888
Viscosity (ASTM D-445):		
cSt @ 40°C	157	283
cSt @ 100°C	17.8	31.9
Brookfield Viscosity (ASTM D-2893):		
150,000 cps max requirement met...	@ -40 C	@ -26 C
Viscosity Index (ASTM D-2270)	146	150
Flash Point (ASTM D-92) °F (°C)	425 (218)	450 (232)
Pour Point (ASTM D-97) °F(°C)	-50 (-45)	-35 (-37)
Channel Point (FTMS 3456) °F(°C)	-45 (-45)	-31 (-35)
Copper Strip Corrosion (ASTM D-130)		
3 Hours @ 212 F	1a	1b
3 Hours @ 250 F	1a	1b
FZG (ASTM D-5182), Stage Passed	12	12

The above data is subject to usual manufacturing variation. For more information and availability, call 1-800-442-LUBE.

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