

## **MILES ALL SPEC 15W40 CJ-4**

### **HEAVY DUTY MOTOR OIL**

**MILES ALL SPEC 15W40 CJ-4** is formulated with synthetic base stocks for superior anti-oxidation characteristics and enhanced high temperature stability to meet or exceed the warranty requirements of all manufacturers of diesel and gasoline engines. This oil is formulated to meet the Mack EO-O Premium Plus '07 specification and API CJ-4/SN specification for use in EGR equipped heavy-duty diesel engines in high output service and can be used to extend normal drain intervals.

**MILES ALL SPEC 15W40 CJ-4** meets the performance requirements of most diesel engine manufacturers such as Caterpillar, Cummins, Detroit Diesel, Ford, Mack, Navistar, and Volvo. It can be used with complete success in over-the-road diesel trucks, off-highway diesel equipment, farm tractors, and passenger cars and light trucks with diesel engines, turbo-charged or non-turbo-charged and well as gasoline engines. Since the introduction of ultra-low sulfur fuels, high TBN oil is no longer a crucial need. Field tests have shown our CJ-4 oils retain TBN levels for longer periods with our advanced additive chemistry. This oil meets or exceeds all the requirements of API CJ-4, CI-4, CI-4 Plus, CH-4, CG-4, CF-4 and SN. STARFIRE FULL SYN 15W40 also meets the extended drain requirements of Cummins CES 20076, Mack EO-O Premium Plus, and Volvo VDS.

### **Manufacturer Specifications**

Allison C-4, Caterpillar ECF-1 & ECF-3, Cummins CES 20076, CES 20077, CES 20081, Detroit Diesel series 92, DDC series 2000, DDC series 4000, Detroit Diesel PGOS 93K217, Mack EO-O Premium Plus '07, Mack EON Premium Plus '03, Volvo VDS, VDS-2, VDS-3, VDS-4, MB 228.3, MTU Type II and ACEA E7.

Typical Properties	
Property	SXR 15W40
Viscosity, cSt @ 40°C	119.20
Viscosity, cSt @ 100°C	15.35
Viscosity Index	135
Viscosity, CCS cP @ -20°C	6752
Calcium, %wt.	0.2950
Magnesium, Wt. (%)	Nil
Phosphorous, Wt. (%)	0.1080
Sulfur, Wt. (%)	0.3765
Zinc, Wt. (%)	0.1200
Sulfated Ash, wt%	0.985
Total Base Number	9.50
Specific Gravity	0.8999