



## Synthetic Blend SAE 15W-40 Motor Oil

**SAMS1 SAE 15W-40 Synthetic Blend Motor Oil** is manufactured using carefully selected premium high viscosity index base oils combined with a high performance additive package with the optimal blending of dispersant, detergent, oxidation and corrosion inhibitor, extreme pressure anti-wear, viscosity improver, and defoaming additives to reduce wear and tear on valve trains and rings while preventing sludge and carbon deposits. SAMS1 15W-40 CI-4/SL motor oil meets or exceeds the performance requirements for Mack EO-M Plus, Cummins CES 20078, Volvo VDS / VDS-2, Caterpillar ECF-1, and power shift transmissions specifying Allison C-3 / C-4, and CAT TO-2 and is recommended for use in naturally aspirated, turbocharged, or supercharged diesel, gasoline, and propane engines.

### Benefits and Applications

- API CI-4/SL Service Classifications
- Synthetic blend oil helps to improve fuel economy
- Compatible with conventional oils
- Excellent wear, corrosion, and rust protection
- Superior resistance to sludge and varnish deposit formation
- Satisfies requirements for naturally aspirated, supercharged and turbocharged engines
- Meets the needs of older engines in on-highway service
- Meets the needs of all 4-stroke engines in a fleet that call for an SAE 15W-40 viscosity motor oil



### Typical Characteristics - SAE 15W-40 Synthetic Blend

SAE GRADE		15W-40
API SERVICE		CI-4/SL
Specific Gravity	ASTM D287	0.8711
Flash Point, COC °C/°F	ASTM D92	231 / 447.8
Pour Point, °C/°F	ASTM D97	-34 / -29.2
Viscosity @ 40°C, cSt	ASTM D445	118.3
Viscosity @ 100°C, cSt	ASTM D445	15.63
Viscosity Index	ASTM D2270	139
CCS, cP	ASTM D5293	4588 @ -20°C
Phosphorus, wt% max	ASTM D4951	0.08
Total Base No. TBN	ASTM D2896	9.34

Test Method ASTM - Typical test data are average values only. Minor variations, which do not affect performance, may occur.

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HANDLING AND SAFETY INFORMATION - Refer to SAMS1 (SDS) Safety Data Sheets for proper handling and safety information. Use the same care and handling as for any petroleum product. Nothing herein shall be deemed to constitute a warranty, express or implied, that said information or data are correct or that the products described are merchantable or fit for a particular purpose, or that said information, data or products can be used without infringing patents of third parties.