



Premium Heavy Duty SAE 20W-50 Motor Oil

SAMS1 SAE 20W-50 Heavy Duty Premium Motor Oil is multi-grade engine oil designed for superior protection even under the toughest driving conditions. It is blended from premium lube base stocks and special high-performance additives that protect your engine from wear, corrosion and performance robbing sludge and varnish deposits. SAMS1 Premium Motor Oil is recommended for use in passenger car, van, sport utility vehicle, light duty truck and other mobile and stationary engines.

SAMS1 SAE 20W-50 Heavy Duty Premium Motor Oil meets or exceeds SN service classification and is backwards compatible with all earlier classifications. SAMS1 SAE 20W-50 Premium Motor Oil has been field tested to be comparable to American, European and Japanese manufacturers' requirements for American, European and Japanese manufacturers' warranty standards: ACEA A1/B1 & A5/B5, Chrysler MS 6395, and GM 6094M (now obsolete) and is suitable for many Ford, Chrysler, Honda, Mazda, Mitsubishi, Toyota and other vehicles where an premium SN motor oil is recommended.

Benefits and Applications

- SN and prior SM, SL, SJ Service Classifications
- Advanced viscosity control and shear stability
- Excellent wear, corrosion, and rust protection
- Excellent resistance to sludge and varnish deposit formation
- Designed with premium base stocks for added thermal breakdown resistance

Typical Characteristics - Premium SAE 20W-50

SAE GRADE		20W-50
Service Classification		SN
API Gravity	ASTM D287	32.5
Flash Point, COC °C/°F	ASTM D92	210/410
Pour Point, °C/°F	ASTM D97	-45/-49
Viscosity @ 40°C, cSt	ASTM D445	64.6
Viscosity @ 100°C, cSt	ASTM D445	10.8
Viscosity Index	ASTM D2270	159
CCS, mPa-sec, @ °C max	ASTM D5293	6600 @ -30
Phosphorus, wt% max	ASTM D4951	0.08
Total Base No. TBN	ASTM D2896	7.9

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

V160202

