

Super S® Multi-Flo® SN and GF-5 Motor Oils

TECHNICAL PRODUCT INFORMATION



Super S Multi-Flo SN and GF-5 Motor Oils

Super S Multi-Flo GF-5/SN Synthetic Blend Motor Oils use newly developed additive technology and formulations to provide among the highest levels of performance and protection ever offered in passenger car motor oils (PCMO). They meet the latest (2011) fuel economy standards while exceeding the car manufacturers' new ILSAC GF-5 standards for wear control, piston deposits, cleanliness, varnish and sludge, oxidation control, and emission system and seal compatibility. In repeated testing over the range of tests and variants, Multi-Flo demonstrates among the lowest rates of wear in the industry for synthetic blend PCMOs.

Super S Multi-Flo GF-5/SN Motor Oils are synthetic blends in grades 5W-20, 5W-30 and 10W-30, and are licensed by API for the SN Service Category with ILSAC GF-5 Resource Conserving certification.

Super S Multi-Flo SN Motor Oils in grades 10W-40, 20W-50, SAE 30 and SAE 40 are formulated with conventional motor oils. They are licensed by API for the SN Service Category.

FEATURES/ BENEFITS

- Advanced viscosity control and shear stability - maintains performance in the harshest conditions and for extended oil drain intervals
- Levels of weighted piston deposits - far exceeding industry specs
- Highest level of high temperature deposit control
- Advanced protection against thermal breakdown
- Wear protection so advanced it is measured in atoms per hour
- Most advanced protection against varnish, corrosion, sludge, and foaming to prolong the life of your engine
- Exceeds industry established levels of fuel economy
- Low volatility, which reduces oil consumption
- Exceeds GF-5 and/or SN specifications for oxidation control, wear control, cleanliness and sludge, and emission system and seal compatibility

APPLICATIONS

Super S Multi-Flo GF-5/SN Motor Oils are specifically designed for use in all gasoline engines, wherever ILSAC GF-5 and/or API-SN or previous specifications are called for.

RECOMMENDATIONS/SPECIFICATIONS

Super S Multi-Flo GF-5/SN Motor Oils (5W-20, 5W-30 and 10W-30) are licensed by API for ILSAC GF-5 and API Service Category SN with Resource Conserving performance and are backwards compatible to all earlier API categories.

Super S Multi-Flo SN Motor Oils (10W-40, 20W-50, SAE 30 and SAE 40) are licensed by API for the SN Service Category SN with Resource Conserving performance and are backwards compatible to all earlier API categories.

SPECIAL HANDLING, NOTICES OR WARNINGS

Use the same care and handling that you would use with any motor oil.

TYPICAL CHARACTERISTICS

Super S® Multi-Flo® GF-5 and SN Motor Oils								
Properties	Test Method ASTM D-	Typical Results						
SAE Viscosity Grade		5W-20	5W-30	10W-30	10W-40	20W-50	30	40
		Synthetic Blend			Conventional			
API Gravity	1298	32.5	32.5	31.5	31.5	30	31.5	31
Flash Point, COC °C /°F	92	215/420	215/420	220/430	220/430	238/410	218/425	220/430
Pour Point, °C /°F	97	-36/ -33	-36/ -33	-27/ -17	-24/ -11	-24/ -11	-36/ -33	-30/ -22
Viscosity cSt @ 40°C cSt @ 100°C	445	48.0 8.1	60.5 10.0	68.7 10.5	97.0 13.8	160 18.5	101.5 10.9	155 14.4
Viscosity Index	2270	140	144	140	145	130	90	90
CCS Viscosity(mPa-s)	5298	<6600@-30	<6600@-30	<7000@-25	<7000@-25	<7500@-15		
NOACK Volatility (%wt)	5800	14.5	14.5	14.3	13.9			
API Service Category		Licensed for SN, also meets SM, SL, SJ						
ILSAC GF-5		Yes	Yes	Yes				
Resource Conserving		Yes	Yes	Yes				

Typical test data are average values only.
 Minor variations which do not affect product performance are to be expected during normal manufacturing.

PRODUCT NUMBERS

SAE 5W20

- SUS 121 12/1 quart bottles
- SUS 12105 6/5 quart bottles
- SUS 121-55 55 gallon drum
- SUS 121Tote 275 Gal Tote
- SUS 121Bulk Bulk
- SUS 121BD Bulk/Drum

SAE 5W30

- SUS 93 12/1 quart bottles
- SUS 9305 6/5 quart bottles
- SUS 93-55 55 gallon drum
- SUS 93Tote 275 Gal Tote
- SUS 93Bulk Bulk
- SUS 93BD Bulk/Drum

SAE 10W30

- SUS 50 12/1 quart bottles
- SUS 5005 6/5 quart bottles
- SUS 50-3 3/1 gallon bottles
- SUS 50-1 6/1 gallon bottles
- SUS 76 5 gallon pail
- SUS 59 55 gallon drum
- SUS 59Tote 275 Gal Tote
- SUS 59Bulk Bulk
- SUS 59BD Bulk/Drum

SAE 10W40

- SUS 51 12/1 quart bottles
- SUS 5105 6/5 quart bottles
- SUS 51-3 3/1 gallon bottles
- SUS 51-1 6/1 gallon bottles
- SUS 60 55 gallon drum
- SUS 60Tote 275 Gal Tote
- SUS 60Bulk Bulk
- SUS 60BD Bulk/Drum

SAE 20W50

- SUS 48 12/1 quart bottles
- SUS 48-3 3/1 gallon bottles
- SUS 48-1 6/1 gallon bottles
- SUS 48-55 55 gallon drum
- SUS 48Bulk Bulk
- SUS 48BD Bulk/Drum

SAE 30

- SUS 49 12/1 quart bottles
- SUS 64 55 gallon drum

SAE 40

- SUS 98 12/1 quart bottles