



PRODUCT SPECIFICATIONS & TECHNICAL DATA

FULL SYNTHETIC MULTI-VISCOSITY MOTOR OILS

PREMIUM FULL SYNTHETIC MULTI-VISCOSITY MOTOR OILS is manufactured from 100% synthetic base stocks. The unique combination of high-performance synthetic fluids and proprietary additive systems enables SYNTHETIC MOTOR OIL to offer advantages beyond their conventional SAE viscosity grade counterparts. Conventional mineral oils thicken or thin dramatically with changes in temperature. To compensate for this weakness, manufacturers add thickeners to conventional multi-grade oils to slow thinning as engine temperatures rise.

PREMIUM EXPORT BRAND SYNTHETIC MOTOR OIL has a naturally high resistance to changes in viscosity due to temperature and requires less of these thickeners. This results in a heavier, more stable protective oil film for engine bearings piston rings than provided by similar SAE viscosity grade mineral oils.

SUPERIOR SYNTHETIC MOTOR OIL protects engines at high temperatures. It contains fewer impurities, so it protects better than conventional oils in cold weather. PREMIUM FULL SYNTHETIC MOTOR OIL is fully compatible with mineral-based, conventional, and synthetic blend engine oils.

PROPERTIES AND BENEFITS:

- Excellent Engine Protection during High Temperature Operation
- Extend Engine Life by Reducing Wear
- Provide Faster Cold Starts at Low Temperatures
- Improved Oil Flow
- Prevent Oil Breakdown and keeps Engines Cleaner
- Reduce Oil Consumption
- Maximum Reserve Capacity

APPLICATIONS:

PREMIUM FULL SYNTHETIC MULTI-VISCOSITY MOTOR OILS are recommended for year-round use in gasoline, high ethanol (up to E85), propane and compressed natural gas (CNG) fueled engines. Superior SYNTHETIC Motor Oils meet or exceed new car warranty requirements for North American, European, and Asian vehicles where ILSAC GF-5 or API SN engine oils are recommended. They are fully back serviceable to all previous ILSAC and API performance ratings including ILSAC GF-4 and API SM.



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TYPICAL PROPERTIES

SAE GRADE	0W-40	0W-30	5W-30	10W-30	10W-40	15W-40
API Gravity	33.6	34.5	32.8	30.8	29.8	31.5
Specific Gravity	0.857	0.852	0.862	0.872	--	--
Pour Point@° F°	-54 (-65)	-54(-65)	-45(-54)	-45 (-49)	-42(-44)	-44(-49)
Flash Point @° F°	234°(453°)	232°(450°)	232°(450°)	235°(455°)	235°(455°)	227° (441°)
Cold Cranking @-CP @ ©	4,301 @-35°	3,800 @-35°	3,600 @-30°	3,848 @-25°	3600@30°	360030°
Cold Pumping CP @ ©	21,700 @-40°	23,900 @-35°	23,900 @-35°	10,250 @-30°	--25°	--25°
Kinematic cSt @ 40° ©	80.3	54.8	53.7	61.3	95.0	102.2
Kinematic cSt @ 100° ©	14.4	10.1	9.7	9.8	14.6	15.5
Pumpability Limit @° F°	-47°(-53°)	-50°(-58°)	-46°(-51°)	-41°(-42°)	-46° (-51°)	-46°(-51°)
Viscosity Index	185	176	169	145	160	164
Energy Conserving	--	YES	YES	YES	--	--

These characteristics are typical of current production

Minor variations that do not affect product performance are to be expected during normal manufacture.

Due to continual product research and development the product formulations are subject to change without notifications.

PREMIUM SYNTHETIC MOTOR OIL OW-40 can be used where an SAE OW/40, OW/30, 5W/30, or 5W/40 grade viscosity is recommended.

PREMIUM SYNTHETIC Motor Oils are fully compatible with all other synthetic and conventional motor oils.

