



SAE 20W-50
API SP ILSAC GF-6A
SYNTHETIC BLEND

PRODUCT DATA SHEET

MOTOR STAR is an advanced synthetic blend formula utilizes the advantages of blended synthetic technology to better prevent dirt and contaminants from turning into performance robbing deposits. Because we know, a cleaner engine is better protected and responsive. It meets or exceeds the engine protection required by ILSAC GF-6A specifications. It is specially formulated to provide extra protection for severe driving conditions. Formulated for modern engines.

MOTOR STAR SAE 20W-50 Motor Oil provides extra protection against the harmful effects of city driving, where cars undergo a higher stress due to constant stopping and going. Its low friction formula helps improve gas mileage for long engine life and helps protect against rust, corrosion, startup wear, varnish build-up, and eliminates the need for extra oil additives. It also protects against thermal breakdown which helps prevent stuck rings. Specially formulated to protect high compression gasoline direct injection engines from the occurrence of Low Speed Pre-Ignition (LSPI) and Timing Chain Wear.

Consult your owner's manual for the correct viscosity grade and performance recommendation required for your vehicle.

Exceeds the requirements of the following industry specifications:

SAE 20W-50 Motor Oil meets requirements of API SP and previous API categories API SN PLUS, SN, SM, SL.

Viscosity recommendations vary according to temperature and engine manufacturer.



Typical Product Properties

Characteristic	Method	Performance
Specific Gravity, (60°F)		0.8773
Viscosity, @ 40°C, cSt		152.8
Viscosity, @ 100°C, cSt		18.6
Viscosity Index		137
Cold Crank, cP at -15°C		4,580
Flash Point, °F		457
Pour Point, °C (°F)		-24 (-11)
Noack Volatility %		7
High Temp/High Shear Visc, cP @150°C		4.7
Phosphorus, wt%		0.07
Zinc, wt%		0.08

Health and Safety

This product is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water.