



Synthetic Motor Oils

Red Line Motor Oils are designed to provide the highest degree of protection and cleanliness for your automotive, motorcycle, or marine engine. We use the most stable synthetic components available and formulate our products for wear protection across a wide range of engine operating conditions. Red Line lubricants are unique because they contain PE Polyol Ester base stocks, the only lubricants which can withstand the tremendous heat of modern jet engines. This high-temperature stability makes our motor oil a necessity to properly lubricate a turbocharger or hot-running engine. The synthetic base stocks have a natural multigrade property, which means that large amounts of unstable polymeric thickeners, like those used in petroleum oils, are not required to manufacture our multigrades.

Typical Properties

	<u>5W30</u>	<u>10W30</u>	<u>10W40</u>	<u>15W40</u>	<u>15W50</u>	<u>20W50</u>
API Service Class:	SJ/SH/SG CD/CE Gas/Diesel	SJ/SH/SG/CD CE/CF-4/CG-4 Gas/Diesel	SJ/SH/SG CD/CE Gas/Diesel	SJ/SH/SG/CD CE/CF-4/CG-4 Diesel Only	SJ/SH/SG CD/CE Gas/Diesel	SJ/SH/SG CD/CE/CF-4 Gas/Diesel
Viscosity Grade: SAE	5W30	10W30	10W40	15W40	15W50	20W50
Vis @ 100°C, cSt	11.6	11.6	15.7	15.0	18.7	19.0
Vis @ 40°C, cSt	69	74.5	100	105	127	131
Viscosity Index	165	150	167	155	166	164
CCS Viscosity, Poise	33 @ -25°C	33 @ -20°C	33 @ -20°C	25 @ -15°C	32 @ -15°C	22 @ -10°C
Pour Point, °C	-45	-40	-40	-40	-45	-45
Pour Point, °F	-49	-40	-40	-40	-49	-49
Flash Point, °C	235	245	257	257	262	262
Flash Point, °F	455	475	495	495	503	503
NOACK Evaporation Loss, 1hr @ 482°F (250°C), %	9.5	6	7	7	7	7