



Synthetic Motorcycle Oils

Red Line Motorcycle Oils are designed to provide the highest degree of protection and cleanliness for your motorcycle engine. Red Line uses the most stable synthetic components available to provide 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. The key advantage of this oil is the use of very stable synthetic base stocks which 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. A motorcycle transmission will completely tear apart these polymeric thickeners which are used in petroleum oils and many synthetics, causing rapid loss of viscosity, which can result in inadequate lubrication. Red Line Motorcycle Oils are completely shear-stable. In addition, Red Line provides enhanced zinc and phosphorous antiwear additives for the best wear protection available, and friction reducers designed for perfect clutch compatibility.

Typical Properties

	10W30	10W40	20W50	20W60
API Service Class:	SJ/SG/SH JASO MA	SJ/SG/SH JASO MA	SJ/SG/SH JASO MA	SJ/SG/SH JASO MA
Viscosity Grade				
SAE	10W30	10W40	20W50	20W60
Vis @ 100°C, cSt	11.4	14.5	20.1	23
Vis @ 40°C, cSt	72	92.5	141	177
Viscosity Index	150	163	165	161
CCS Viscosity, Poise	64 @-25°C	64 @-25°C	50 @-15°C	90 @-15°C
Pour Point, °C	-45	-45	-45	-45
Pour Point, °F	-49	-49	-49	-49
Flash Point, °C	249	249	254	254
Flash Point, °F	480	480	490	490
Zinc, %wt	0.25	0.25	0.25	0.25
Phosphorous, %wt	0.21	0.21	0.21	0.21
Molybdenum, %wt	0.05	0.05	0.05	0.05
NOACK Evaporation Loss, 1hr @ 482°F (250°C), %	5	5	5	5
% Viscosity Loss, 30 Pass ASTM D6278	0	0	0	0

