



RED LINE SYNTHETIC OIL CORP.

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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

	0W20	0W30	0W40	5W20	5W30	5W40	10W30	10W40	15W40	15W50	20W50
API Service Class:	SM/SL/SG CF	SM/SL/SG CF	SM/SL/SG CF	SM/SL/SG CF	SM/SL/SG CF	SM/SG/CF CJ-4/CI-4	SM/SL/SG CF	SM/SL/SG CF	SM/SG/CF CJ-4/CI-4	SM/SL/SG CF	SM/SL/SG CF
Viscosity Grade:											
SAE	0W20	0W30	0W40	5W20	5W30	5W40	10W30	10W40	15W40	15W50	20W50
Vis @ 100°C, cSt	8.2	10.9	15.1	9.1	10.6	15.1	10.7	14.6	14.5	19.6	19.8
Vis @ 40°C, cSt	43	57	81	55	62	94	70	93	97	138	148
Viscosity Index	166	183	197	145	162	170	142	164	155	162	155
CCS Viscosity, Poise, @°C	55@-35	56@-35	57@-35	50@-30	60@-30	55@-30	65@-25	65@-25	65@-20	65@-20	50@-15
HTHS Vis, cP @150°C ASTM D4741	2.7	3.2	4.0	3.3	3.8	4.6	3.8	4.7	4.7	5.8	6.1
Pour Point, °C	-60	-60	-60	-45	-45	-45	-45	-45	-45	-45	-45
Pour Point, °F	-76	-76	-76	-49	-49	-49	-49	-49	-49	-49	-49
Flash Point, °C	216	218	218	251	252	250	250	248	252	252	255
Flash Point, °F	421	424	424	484	486	480	480	478	486	486	491
NOACK Evaporation Loss, 1hr @ 482°F (250°C), %	9	9	9	8	6	6	6	6	6	6	6