

MORRISON

Morrison Mineral SM series

Product Description:

Morrison SM Series is a premium mineral engine oil. Manufactured to meet requirements of almost all modern multi valves with or without turbo chargers. It provides smoother, cooler and quieter engines. It is the highest API yet far. It is suitable for all types of fuel, including LNG, CNG and Gasoline especially those treated with exhaust gas after service. Its advanced additive system ensure excellent control over wear due to friction, soot induced wear, high temperature deposits, corrosion, foaming and oxidation stability. Highly recommended for newer engines and engines which are not experiencing excessive wear. It is manufactured with high safety measure and quality control according to ISO 9001:2008 standard. Recommended shelf life is 3 to 3½ years.

Applications / Benefits:

1. Superb for newer engines and engines which are not experiencing excessive wear.
2. Reduces engine wear during cold start. Ensures maximum engine performance and power.
3. Reduces oxidation during engine operation.
4. Recommended from 5,000 km to 7,000km per oil change.
5. Reduces carbon, acid and sludge formations.
6. Ensures smoother, cooler and quieter engine.
7. Keeps engine running clean and efficient.
8. It meets the demanding ILSAC GF-5 performance standards.

Typical Characteristics:

Test Description	Method	10W-30	10W-40	15W-40	20W-50
SAE Viscosity Grade	SAE J 300				
Specific Gravity @ 15 °C	ASTM D 4052	0.865	0.871	0.880	0.888
Flash Point, °C	ASTM D 92	210	220	225	242
Pour Point, °C	ASTM D 97	-30	-30	-27	-21
Kinematic Viscosity, cSt @ 40°C	ASTM D 445	67.9	98.4	110.8	185.8
cSt @ 100°C	ASTM D 445	11.2	14.6	14.8	19.6
Viscosity Index	ASTM D 2270	158	155	138	121
TBN, mgKOH/g	ASTM D 2896	7.2	7.2	7.2	7.2
Color	ASTM D 1500	<3.0	<3.0	<3.0	<3.0

Specifications, Approvals & Recommendations:

- API SM
- ILSAC GF-5*