

Universal Co-Op Lubricants

SUPER 12M Synthetic Blend MOTOR OIL

Product Information Sheet

Description:

Passenger Car Motor Oil (PCMO) Super 12M Synthetic Blend Motor Oil a high quality motor oil designed for gasoline engine service. It is formulated with a synthetic blend of high quality, high viscosity index base oils, a new and improved additive system with the proper balance of detergents, dispersants, rust and high temperature oxidation inhibitors along with lower phosphorus anti-wear protection. The multi-grades are formulated with a special viscosity index improver, which provides excellent low temperature pump ability.

New improved performance documentation for SAE 5W-20*, 5W-30 and 10W-30, exhibit excellent cold flow performance by passing the SAE pump ability tests. Performance documentation includes the API Service Symbol, or “donut”, with API Service SM/GF-4 with Energy Conserving certification. These same viscosity grades carry the API Certification Mark, or “starburst” symbol, which many new vehicle owner manuals use to signify the motor oil service requirement for the vehicle. (* = Super 12M SAE 5W-20 is available in bulk package only).

Super 12M Motor Oil is also available in SAE 10W-40 (API SL). All Super 12M Motor Oils can also be used where API Services SL, SJ, SH, SG, SF, SE, SD, SC / CC are specified.

Expect excellent performance in:

- Four-stroke naturally aspirated and turbocharged gasoline engines
- Propane fuel engines that require the API service classification listed
- Stationary gasoline engines, such as irrigation and standby generators
- Off-Highway gasoline powered equipment

Features & Benefits:

- Energy Conserving: ILSAC GF-4/ Starburst approval of SAE 5W-20, 5W-30 and 10W-30 maximize fuel economy.
- Balanced Formula: Quality balanced formula promotes engine cleanliness and extends life of PCV system.
- Anti-wear Protection: Reduces wear, protecting highly loaded engine parts.
- Warranty Qualification: Meets or exceeds the warranty requirements and oil drain interval recommendations of car and light truck manufacturers.
- Oxidation Control: Excellent oxidation protection for high underhood temperatures experienced by modern cars.

Application:

Super 12 M Motor Oil is a tested and proven lubricant for use in automobiles, commercial, agricultural, and industrial equipment. It is formulated to exceed a variety of specifications and engine manufacturers' requirements, which include:

- API Service Categories as listed
- MIL-L-46152E
- ASTM Energy Conserving for SAE 5W-20, 5W-30 and 10W-30
- Exceeds car manufacturers' warranty requirements

Health & Safety:

A complete material safety data sheet is available upon request. Used motor oil contains combustion by-products, which may be harmful. Avoid prolonged or repeated skin contact. Wash clothing and exposed areas with soap and water. Don't pollute - return used oil to a collection center.

Typical Properties:

SAE Viscosity Grade	5W-20*	5W-30	10W-30	10W-40
API Service	SM	SM	SM	SL
Viscosity, cSt				
@ 40°C	52.5	61.5	69.4	78.0
@ 100°C	9.0	10.5	10.6	14.1
Viscosity Index	156	161	141	188
API Gravity	32.5	30.1	28.7	28.9
Pour Point, °F	-40	-40	-35	-30
MRV-TP1, pass @ °C	35	-35	<-35	<-30
CCS, P @ °C, .	4,900 @-30	4,900 @-30	5..086 @-30	35 @ -20

The typical properties listed reflect the general characteristics of the product, and are not manufacturing specifications. Normal batch-to-batch variations should be expected.