SPORT 5W-50

High Performance Lubricant

100% Synthetic – Ester

TYPE OF USE

Very high performance cars powered by Gasoline or Diesel engines, naturally aspirated or turbocharged, multi-valves direct or indirect injection. Tuned engines operating on a wide range of engine rpm and temperatures, in severe driving conditions.
Engines producing medium to high fuel dilution in the oil.
Suitable for all types of fuels, leaded or unleaded gasoline, Ethanol, LPG, Diesel and biofuels.

PERFORMANCES

STANDARDS	API SN / CF
SPECIFICATIONS	FORD WSS M2C-931C

Ester Technology: 100% Synthetic formula based on Ester to ensure outstanding oil film resistance at very high temperature, for maximum horsepower, torque output and wear protection. Oil pressure is stable whatever the conditions of use.
Very high API (American Petroleum Institute) performance level, API SN / CF, for improved oxidation resistance, improved deposit protection, better wear protection, and better low-temperature performance over the life duration of the oil. Perfect compatibility with the latest generations of Gasoline engines requiring a lubricant with the specification API SN, or older Diesel vehicles requiring API CF.
The FORD WSS M2C-931C specification requires the lubricant to be both API SN and 5W-50 in order to perfectly lubricate certain high-performance Gasoline engines of FORD vehicles such as Ford Focus RS 2.3 EcoBoost AWD and Ford GT produced from 2016, and Mustang GT350, GT350R from 2018.
FORD WSS M2C-931C specification also covers previous versions, i.e. FORD WSS M2C-931B recommended for the Ford Mustang GT V8 5.0L, Boss 302 V8 5.0L, Mustang GT350 from 2015 and Shelby GT500 from 2006; and FORD WSS M2C-931A recommended for the Ford GT V8 5.4L from 2004-2006.
The FORD WSS M2C-931C specification is backward compatible with the 931A and 931B specifications but does not cover the 931D specification. MOTUL® SPORT 5W-50 must therefore not be used on vehicles requiring the FORD WSS M2C-931D specification.
In case of doubt, before use always refer to the vehicle maintenance booklet.
Viscosity grade 5W-50 allows excellent oil flow into the engine, faster oil pressure set up and faster revs rising while ensuring great engine protection at high temperatures.

RECOMMENDATIONS

Oil change: according to your own use, or tuner's recommendations.
Can be mixed with synthetic or mineral lubricants.

PROPERTIES

Viscosity grade	SAE J 300	**5W-50**
Density at 20°C (59°F)	ASTM D1298	0.845
Viscosity at 40°C (104°F)	ASTM D445	107.1 mm²/s
Viscosity at 100°C (212°F)	ASTM D445	17.9 mm²/s
HTHS viscosity at 150°C (302°F)	ASTM D4741	4.5 mPa.s
Viscosity Index	ASTM D2270	186
Pour point	ASTM D97	-45°C / -49°F
Flash point	ASTM D92	244°C / 471°F
TBN	ASTM D2896	8.4 mg KOH/g

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