

Grand EcoDrive 20W-50

PRODUCT DESCRIPTION



Grand EcoDrive 20W-50 is a premium, fully synthetic engine oil for all-weather four-cycle gasoline engines of passenger cars and commercial vehicles which require Low SAPS oils

with limited levels of sulfur, phosphorus and ash. The product is manufactured using the unique antifriction ZFM™ technology and specially selected synthetic base stocks with high viscosity index and outstanding oxidation stability.

Grand EcoDrive 20W-50 possesses excellent shear stability, hence providing robust protection of highly loaded engine parts operating under boundary lubrication. The product promotes decreased carbon emissions and oil loss in engines with high mileage.

APPLICATION

- Grand EcoDrive 20W-50 is recommended for passenger cars and commercial vehicles with severe duty operations and high loads.
- Grand EcoDrive 20W-50 is suitable for engines with high mileage and high burnout of oil. It is also suitable for engines which require oils with previous Service Categories API SM or SL.

CUSTOMER BENEFITS

- The use of unique antifriction ZFM™ technology effectively reduces wear of parts operating under boundary lubrication.
- The balanced formulation of Grand EcoDrive 20W-50 has high stability and excellent anti-oxidizing properties which allows extended service intervals.
- The product meets the requirements of “Low SAPS” oils in terms of sulfur, phosphorous and sulfated ash limits, which are essential for long life of three way catalytic converters (TWCs).
- Grand EcoDrive 20W-50 provides high protection of engines, contributing to maximize performance of engine.



MEETS SPECIFICATIONS AND REQUIREMENTS OF:

- API SN/CF,

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	ASTM
SAE Grade		20W-50	
Kinematic viscosity at:			
40°C	cSt	148.5	ASTM 445
100°C	cSt	17.8	ASTM 445
Flash point	°C	236	ASTM D92
Pour point	°C	-30	ASTM D97
Density at 30 °C	Kg/l	0.868	ASTM D4052
Dynamic viscosity at -15°C, CCS	cPs	6029	ASTM D5293
Total Base Number, TBN	mgKOH/g	6.4	ASTM D2896
Viscosity index		132	ASTM D2270
Color		Green	ASTM D1500

STORAGE AND HANDLING GUIDELINES

- Avoid exposing products to direct sunlight.
- Cans, packed in cardboard boxes, must be stored in dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors on pallets and racks.
- If stored outdoors drums should be placed sidewise to avoid accumulation of moisture.

HEALTH, SAFETY AND ENVIRONMENT PROTECTION

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

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