

NEO Synthetics

{PERFORMANCE UNDER PRESSURE}

MOTOROLIE 20W50



Product Data Sheet – NEO Synthetics High Performance Motor Oils

Engine Oil – Diester Base 100% Synthetic SAE 20W-50, Heavy Duty – API Service CD/SG; ACEA

- A Clean Environment product
- CF-4 performance
- Reduces friction
- Resists heavy stress
- High performance rated
- Runs cooler
- Superior film strength
- Resists high temperature
- Extends drain Interval
- Extends engine life

NEO SAE 20W-50 is designed for high performance engines of all kinds, and for any engine that is pushed to the limit of performance and high temperature.

Excellent for trailer towing in high temperature and for racing engines, in any engine that can use this viscosity grade. High speed, high temperature, and heavy load are tolerated by this oil, and it will resist breakdown under these conditions far

more than a petroleum base oil. The NEO 20W-50 base stock is diester 100% synthetic. To that base is added NEO's balanced blend of additives.

This oil is designed for use in racing engines, but it has the full additive package necessary to protect a street engine in typical traffic. It is also an excellent choice for "mixed fleet" used where this viscosity grade is desired.

NEO 20W-50 is the choice for engines being worked to their limit, particularly in hot temperatures. It will perform equally well in petrol, LPG or diesel fueled engines. It provides lubrication over a wide temperature range, for extended periods, and reduces engine wear and oil consumption. In addition, it has an inherently higher film strength than petroleum oils, thereby providing added protection to the bearing surfaces of the engine. NEO 20W-50 will be that extra measure of safety when you need it the most. It will reduce engine wear and increase power output because of its superior lubricity. Its low temperature pour point (-40°F) allows faster starting and warmup, saving wear on starters and batteries.

Specification	Value	Test Method
Viscosity Index	180	ASTM D-2270
Viscosity: Cold Cranking @ -10°C	3980 cPA	STM D-2602
Viscosity: Kinematic @ 100°C	15.4 est	ASTM D-445
Viscosity Increase (400% allowed)	6%	Seq. 111-C
Total Base Number (TBN)	9A	STM D-2896
(exceeds engine requirements by about 3 times)		
Sulfated Ash	0.8	ASTM D-874
Flash Point	470°F	ASTM D-92
Fire Point	520°F	
Pour Point	-40°F	ASTM D-97
Film StrengthA	bout 6 times that of petroleum.	
Density@	60°F	7.20 pounds/gallon