

Superior Chemistry. Superior Performance.



5W-40 Full Synthetic European Formula

Printed On: Feb 9, 2014

INSPECTION INFORMATION

Specific Gravity @ 60°F (15.6°C)
Viscosity @ 40°C cSt
Viscosity @ 100°C cSt
Viscosity Index
Pour Point °C (°F)
Color
Cold Cranking Simulator at (°C), cP
High Temperature / High Shear Vis at 150°C, cP
Noack Volatility, % loss
Calcium, wt. %
Zinc, wt. %
Phosphorus, wt. %
Sulfur, wt. %
Boron, wt. %
Nitrogen, wt. %
Pumping Viscosity at (°C), cP
Gravity, °API
TBN, mgKOH/g

TEST METHOD

ASTM D4052
ASTM D445
ASTM D445
ASTM D2270
ASTM D5950
ASTM D 1500
ASTM D5293
ASTM D5481
ASTM D 6375
ASTM D 5185
ASTM D 5185
ASTM D 5185
ASTM D 4951
ASTM D 5185
ASTM D 4629
ASTM D4684
ASTM D287
ASTM D 2896

TYPICAL VALUE

0.8507
76.77
12.95
170
-45°C (-49°F)
2
5266 (-30)
3.7
10
0.26
0.102
0.092
0.19
0.007
0.089
28,400 (-35)
34.83
9.8

CLAIMS INFORMATION

API SN
API SM
ACEA A3/B3-08 and A3/B4-08
MB p229.3 / p229.5
BMW LL-01
VW 501 01 / 502 00 / 505 00
OPEL GM-LL-B-025
Renault 0710 / 0700
Porsche A40

Approved
Meets Requirements
Meets Requirements
Meets Requirements
Meets Requirements
Meets Requirements
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