

SAE 20W50 WOLTEC SEMI SYNTHETIC OIL

Performance Standard: API CC/CF/CI4

Product Description: WOLTEC LUBES 20W50 SEMI SYNTHETIC is an extra high performance petrol engine oil that provides excellent lubrication of today's petrol engines promoting extended engine life. As a result, this product meets or exceeds the specifications of virtually all major European and American engine manufacturers.

Features and Benefits

Features	Advantages and Benefits
High thermal and oxidation stability	Reduced sludge build-up, deposits and viscosity increase
TBN reserves	Deposit control and acid neutralization
Stay-in-grade shear stability	Wear protection and viscosity control
Excellent low temperature properties	Start-up wear protection
Meets demanding specifications of key OEMs	One engine oil for mixed fleet operations

**WOLTEC LUBES 20W50 meets or exceeds
the requirements of the following industry and builder specifications**

API CI-4/CH-4/SL/SJ	MB-Approval 228.3	API CG-4/ CF-4/ CF
ACEA E7	Mack EO-M PLUS/EO-N	ACEA A2/B2
Caterpillar ECF-2	Volvo VDS-3	Volvo VDS-2
Cummins CES 20078, 20077, 20076	Renault Trucks RLD-2	Renault Trucks RLD
JASO DH-1	MTU Oil Category 2	

TYPICAL PROPERTIES:

SL NO	TEST PARAMETERS	TEST METHODS	UNITS	RESULTS**
1	Appearance	Visual	NONE	Bright & Clear
2	Color	ASTM D 1500-12	NONE	Report
3	Total Base Number	ASTM D 2896	mg KOH/g	Min 7.2
4	Density @ 15°C	ASTM D 4052-11	g/ml	0.885
5	Kinematic Viscosity @ 40 °C	ASTM D 445	cSt	145.00
6	Kinematic Viscosity @ 100 °C	ASTM D 445	cSt	17.4

7	Viscosity Index	ASTM D 2270	NONE	132
8	Pour Point	ASTM D 97	°C	-30
9	CCS @ -25°C	ASTM D 5293	cP	6600
10	Flash Point	ASTM D 92	°C	238

(*The features mentioned above are average values obtained with some variability in production and do not constitute a specification)

Health and Safety

Based on available information, this product is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Material Safety Data Sheet (MSDS) are followed.