



## **Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL 5W-30**

### **THE POWER TO REDUCE FRICTION™**

#### **PRODUCT DESCRIPTION**

Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL is a premium synthetic engine oil that is formulated to meet the needs of advanced European automobiles. It is specifically formulated for the requirements of advanced diesel engines with Diesel Particulate Filter Emission Systems (DPF) installed.

Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL is a low volatility oil that provides excellent high-temperature protection and low-temperature protection. It resists high-temperature oxidation better than conventional oils.

#### **APPLICATION**

Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL 5W-30 can be used in both passenger car and light duty diesel applications. It is approved for VW 502.00/505.00/505.01 performance, MB - Approval 229.51 and pending approval for BMW LL-04. Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL meets or exceeds the performance requirements of API SL/CF and ACEA C3, and A3/B4-04. Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL SYNTHETIC MOTOR OIL can be also be used for domestic vehicle applications that recommend API SL including many diesel engines with DPF.

#### **BENEFITS**

- Low SAPS formulation for DPF equipped diesel engines
- Protects against harmful engine deposits and wear caused by high and low-temperature severe service
- Outperforms conventional motor oils in providing protection for hot running engines
- Protects against rust and corrosion caused by severe, low-temperature stop-and-go driving
- Provides extra protection against accelerated oil consumption normally associated with high-temperature conditions
- Meets extended drain requirements of premium European vehicles
- MB - Approval 229.51
- Has VW 502.00, 505.00, 505.01 approvals
- BMW LL-04 approval
- Meets or exceeds the requirements of ACEA C3 and A3 /B4-04
- Meets or exceeds the requirements of API SL/CF

**TYPICAL PHYSICAL AND CHEMICAL PROPERTIES**  
**Q® EUROPEAN ENGINE FORMULATION ULTRA DIESEL FULL**  
**SYNTHETIC MOTOR OIL**

<b>TEST</b>	<b>METHOD</b>	<b>TYPICAL RESULTS</b>
SAE Grade		5W-30
API Service		SL/CF
ACEA Service		A3/B3/B4
Gravity, °API	ASTM D-287	33.4
Viscosity		
@ 40°C, cSt	ASTM D-445	67.1
@ 100°C, cSt	ASTM D-445	12.0
Viscosity Index	ASTM D-2270	178
Flashpoint, °C	ASTM D-93	230
Pourpoint, °C	ASTM D-97	-39
CCS Viscosity, cP (°C )	ASTM D-5293	6,600 (-30)
MRV Viscosity cP (°C)	ASTM D-4684	44,000 (-35)
HT/HS Viscosity, cP	ASTM D-4683	3.5
Noack Volatility, %	ASTM D-5800	<10
Material Number		
55 Gallon Drum		5072689

These characteristics are typical. While future production will conform to Quaker State's specifications, variations in these characteristics may occur. The information contained herein is subject to change without notification.