



# FULL SYNTHETIC EURO SAE 5W-40 ENGINE OIL

*SINCLAIR Full Synthetic European Car Formula SAE 5W-40 Engine Oil is specially formulated for the lubrication needs of modern european gasoline and diesel cars and light trucks.*



## APPLICATIONS

- Where API Performance Category SN, SM, SL, SJ, SH, SG, SF, or SE oils are recommended.
- ACEA A3/B3 and A3/B4
- 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

## PERFORMANCE

- Provides fast starting and quick oil pump ability
- Maintains viscosity over a wide range of temperatures and maintains grade through the recommended drain interval
- Provides wear protection, deposit control, reduced starting friction
- Outstanding protection against viscosity and thermal breakdown
- Improved fuel economy



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## TYPICAL PHYSICAL PROPERTIES

	METHOD	TYPICAL RESULTS
Viscosity Grade		SAE 5W-40
Gravity, °API	ASTM D287	33.98
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8551
Viscosity @ 40°C cSt	ASTM D445	77.27
Viscosity @ 100°C cSt	ASTM D445	13.18
Viscosity Index	ASTM D2270	173
High Temperature / High Shear Vis at 100°C, cP	ASTM D6616	6.3
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	3.7
Noack Volatility, % loss	ASTM D5800	10
Color	ASTM D1500	2
Zinc, wt. %	ASTM D5185	0.102
Phosphorus, wt. %	ASTM D5185	0.092
Calcium, wt. %	ASTM D5185	0.26
Sulfur, wt. %	ASTM D4951	0.19
Boron, wt. %	ASTM D5185	0.007
Molybdenum, wt. %	ASTM D5185	0.0079
Sulfated Ash, wt. %	ASTM D874	0.92
Nitrogen, wt. %	ASTM D4629	0.089
Pumping Viscosity at (°C), cP	ASTM D4684	28,400 (-35)
Shear Stability	ASTM D6278	8.07
Foam Seq. I (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. II (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
Foam Seq. III (Tendency/Stability), mL	ASTM D892 (Opt. A)	0/0
High Temperature Foaming, static foam	ASTM D6082 (Opt A)	10/0
Copper Strip Corrosion (3 hrs@100°C)	ASTM D130	0
TBN, mgKOH/g	ASTM D2896	9.8

Description	Pack Size	Part #	Each UPC	Case UPC	Case Dimensions	Case Cube / Pallet Cube	Case Weight / Pallet Weight	Pallet Stack
FS EURO 5W-40	6/1 Quart	752-014	0 71621-65496 5	0 71621-65497 2	L 9.500 x W 7.625 x H 9.625	0.403 / 68.194	12.260 / 1912.200	156 Cases (6 layers of 26)
FS EURO 5W-40	55 Gallon	572-003	0-14168-01804-3	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	441.780 / 1767.120	4 Drums

