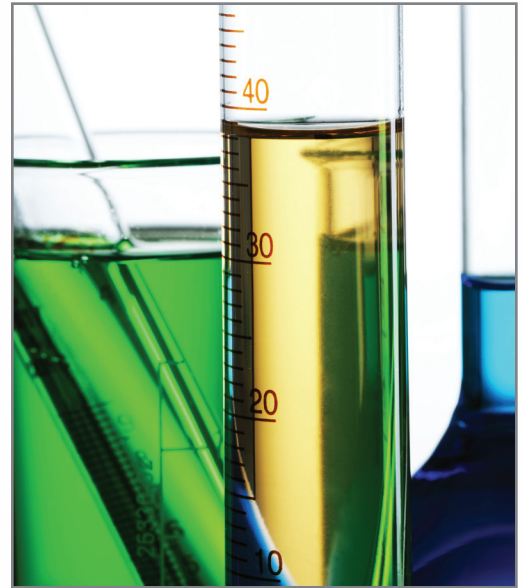




# SEMI-SYNTHETIC MOTOR OIL

*Sinclair Synthetic Blend Motor Oils are an upgrade in oil technology manufactured with a blend of both advanced 100% severely hydrotreated North American Group II and Group III base stocks. They exceed tough U.S. standards for a high level of advanced protection and performance in today's harder working, hotter running gasoline engines. They also contain a specially designed, technologically advanced, rigorously tested, and field proven additive system providing unsurpassed performance. These very high quality formulas provide enhanced engine protection longer than conventional motor oils. Sinclair Synthetic Blend SAE 5W-20, 5W-30 & 10W-30 Motor Oils carry the ILSAC GF-5 Certification Mark that meets the API Resource Conserving requirements.*



## APPLICATIONS

- Where API Performance Category SN, SM, SL, SJ, SH, SG, SF, SE or SD oils are recommended.
- In passenger car, SUV and light truck engines that require oils showing the ILSAC GF-5 Certification Mark (SAE 5W-20, SAE 5W-30 and SAE 10W-30).
- In all turbocharged gasoline engines.
- In larger gasoline engines used in severe service, such as towing trailers, campers, racing, etc.
- In older gasoline powered passenger car engines.

Sinclair Arctic Fire Synthetic Blend Motor Oils are licensed by the API for the SN Classification under the new CMA Code of Practice. This classification assures only the highest quality.

## 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
- Meets or exceeds Ford specification WSS-M2C929A and WSS-M2C930A
- Meets or exceeds General Motors specification 6094M
- Meets or exceeds Chrysler specification MS-6395H
- Outstanding protection against viscosity and thermal breakdown
- Improved fuel economy

**Sinclair Arctic Fire Full Synthetic Motor Oils Meet**

API SN, SM and ILSAC GF-5



# SEMI-SYNTHETIC MOTOR OIL

## TYPICAL PHYSICAL PROPERTIES

Viscosity Grade	METHOD	TYPICAL RESULTS		
		Semi-Synthetic 5W-20	Semi-Synthetic 5W-30	Semi-Synthetic 10W-30
Gravity, °API	ASTM D287	32.56	33.17	31.42
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8625	0.8593	0.8685
Viscosity @ 40°C cSt	ASTM D445	51.22	64.86	65.28
Viscosity @ 100°C cSt	ASTM D445	8.77	10.87	10.17
Viscosity Index	ASTM D2270	149	159	142
Pour Point °C (°F)	ASTM D5950	-45°C (-49°F)	-45°C (-49°F)	-42°C (-44°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	5916 (-30)	6100 (-30)	5050 (-25)
High Temperature / High Shear Vis at 100°C, cP	ASTM D6616	6.05	7.01	7.09
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	2.7	3.21	2.97
Noack Volatility, % loss	ASTM D5800	14	14	14.4
Color	ASTM D1500	3	3	3
Zinc, wt. %	ASTM D5185	0.085	0.085	0.085
Phosphorus, wt. %	ASTM D5185	0.077	0.077	0.077
Calcium, wt. %	ASTM D5185	0.19	0.19	0.19
Sulfur, wt. %	ASTM D4951	0.3	0.3	0.3
Boron, wt. %	ASTM D5185	0.018	0.018	0.018
Sulfated Ash, wt. %	ASTM D874	0.92	0.92	0.92
Nitrogen, wt. %	ASTM D4629	0.084	0.084	0.084
Pumping Viscosity at (°C), cP	ASTM D4684	23,000 (-35)	22,000 (-35)	15,400 (-30)
Shear Stability	ASTM D6278	7.3	8.7	8.58

Description	Pack Size	Part #	Each UPC	Case UPC	Case Dimensions	Case Cube / Pallet Cube	Case Weight / Pallet Weight	Pallet Stack
Semi-Synthetic Motor Oil 5W-20	55 Gallon	833-003	0 71621-65664 8	N/A	L 23.000 x W 23.000 x H 35.000	10.715 / 44.444	444.298 / 1777.193	4 Drums
Semi-Synthetic Motor Oil 5W-20	330 Gallon	833-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 65.333	2,564.050 / 2564.050	1 Tote
Semi-Synthetic Motor Oil 5W-30	330 Gallon	832-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 65.333	2,572.630 / 2572.630	1 Tote
Semi-Synthetic Motor Oil 10W-30	330 Gallon	831-002	N/A	N/A	L 48.000 x W 48.000 x H 49.000	65.333 / 65.333	2,565.040 / 2565.040	1 Tote

SEMI-SYNTHETIC 5W-20, 5W-30 AND 10W-30 ARE ALSO AVAILABLE AS A BULK FLUID.

