



Allied Synthetic Blend PC Motor Oil

Specially formulated to exceed the toughest U.S. standards for a higher level of outstanding protection and performance in today's harder working, hotter running gasoline engines.

All Allied products are formulated to meet, or exceed, all relevant industry standards. The chart below highlights the key protection and performance features and benefits provided by our **Allied Synthetic Blend PC Motor Oil**.

Allied Synthetic Blend PC Motor Oils

are manufactured with 100% virgin high viscosity index premium quality synthetic and hydroprocessed North American base stocks with superior thermal and oxidative stability and excellent high and low temperature properties enhancing volatility and low temperature viscosity performance.

They also contain specially designed, technologically advanced, rigorously tested and field proven additive system. They provide superior wear protection, excellent deposit control, reduced starting friction, outstanding protection against viscosity and thermal breakdown, and improved fuel economy.

These step up in quality formulas provide all around improved protection than conventional motor oil formulas however they are completely compatible and can be interchanged.

FEATURES

Exclusively utilizes application specific virgin base oils including high quality Synthetic mineral oil and Group II hydrocracked base stocks

Utilizes newest, most advanced, SM GF-4 passenger car detergent inhibitor additive system

BENEFITS

- Superior thermal and oxidative stability prevents deposit formation and fluid thickening
- Outstanding low-temperature fluidity and protection at start up
- Improved protection against viscosity and thermal breakdown at high temperatures
- Lower volatility reduces oil consumption
- Excellent Shear Stability and anti-foam properties
- High detergency and superior dispersancy keeps engine clean
- Exceptional anti-wear properties ensure long engine life
- Outstanding protection against rust and corrosion
- Friction reducing technology resulting in improvement in fuel economy



To find out more about our products and services, contact us at: (402) 344-4343 or visit www.alliedoil.com



Allied Synthetic Blend PC Motor Oil

Allied Synthetic Blend PC Motor Oils are recommended for all gasoline engines in cars, SUV's and light trucks. They exceed warranty requirements for all manufacturers where a specific viscosity grade meeting the following specifications is required:

- API SM, SL, SJ, SH
- Energy Conserving
- ILSAC GF-4
- GM 6094M
- Chrysler MS-6395H
- Ford WSS-M2C930A (5W-20), WSS-M2C929A (5W-30 & 10W-30)

Typical Properties:

PROPERTY	METHOD	5W-20 Syn Blend	5W-30 Syn Blend	10W-30 Syn Blend
Gravity, °API	ASTM D287	32.73	32.96	30.92
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8616	0.8604	0.8712
Viscosity @ 40°C cSt	ASTM D445	48.23	62.4	65.9
Viscosity @ 100°C cSt	ASTM D445	8.46	10.61	10.47
Viscosity Index	ASTM D2270	153	161	146
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	5930 (-30)	6156 (-30)	6616 (-25)
High Temperature / High Shear Vis at 100°C, cP	ASTM D 6616	6.05	6.74	7.31
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	2.74	3.07	3.01
Noack Volatility, % loss	ASTM D 5800	13.7	14	11.19
Color	ASTM D 1500	2.5	2.5	2.5
Zinc, wt. %	ASTM D 5185	0.091	0.091	0.085
Phosphorus, wt. %	ASTM D 5185	0.079	0.079	0.077
Calcium, wt. %	ASTM D 5185	0.169	0.169	0.214
Sulfur, wt. %	ASTM D 4951	0.29	0.322	0.318
Boron, wt. %	ASTM D 5185	0.023	0.023	0.023
Molybdenum, wt. %	ASTM D 5185	0.0079	0.0079	0.0079
Sulfated Ash, wt. %	ASTM D 874	0.92	0.92	0.92
Nitrogen, wt. %	ASTM D 4629	0.102	0.102	0.102
Pumping Viscosity at (°C), cP	ASTM D4684	22,900 (-35)	28,600 (-35)	23,580 (-30)

CLAIMS INFORMATION	5W-20 Syn Blend	5W-30 Syn Blend	10W-30 Syn Blend
	API SN	API SN	API SN
	API SM	API SM	API SM
	API SL	API SL	API SL
	ILSAC GF-5	ILSAC GF-5	ILSAC GF-5
	ILSAC GF-4	ILSAC GF-4	ILSAC GF-4
	M2C946-A	M2C945-A	GM 6094M
	GM 6094M	GM 6094M	

**ALWAYS CONSULT OWNERS MANUAL
FOR CORRECT VISCOSITY GRADE**

Due to our goal of continuous improvement and commitment to keep pace with changing requirements, the information contained in this product sheet is subject to formulation changes without notification. Check with your Allied sales representative to make sure you have the most up-to-date product sheet. The version to reference is located in the right hand corner of this product sheet.

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