



# Allied MEGA Full Synthetic PC Motor Oil

*The ultimate in oil technology and utilizes the latest advanced synthetic hydrocarbon base stocks to exceed tough U.S. standards for an outstanding level of advanced protection and performance in today's harder working, hotter running gasoline engines.*

Allied Mega Full Synthetic PC Motor Oils are manufactured with 100% virgin high viscosity index Premium quality, synthetically 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 very high quality formulas provide all around enhanced engine protection to protect longer than conventional motor oil formulas however they are completely compatible and can be interchanged without damage.

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 Mega Full Synthetic PC Motor Oil.**

## FEATURES

Exclusively utilizes application specific 100% virgin base oils including high quality Synthetic base stocks

Utilizes newest, most advanced, API SM, ILSAC GF-5 passenger car detergent inhibitor additive system

## BENEFITS

- Exceptional thermal and oxidative stability prevents deposit formation and fluid thickening
- Ensures rapid oil circulation and engine protection on start-up even at very low temperatures
- Low coefficient of friction ensure maximum delivery of engine power
- Improved protection against viscosity and thermal breakdown at high temperatures
- Lower volatility reduces oil consumption
- Excellent Shear Stability maintains viscosity throughout service life
- Severe duty-Extreme temperatures-trailer towing
- High detergency and superior dispersancy keeps engine clean
- Exceptional anti-wear properties ensure long engine life
- Excellent protection against rust and corrosion
- Outstanding protection against rust and corrosion
- Friction reducing technology resulting in improvement in fuel economy
- Less thickening in service



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



# Allied MEGA Full Synthetic PC Motor Oil

Allied Mega Full Synthetic 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 SN, SM, SL, SJ, SH
- Resource Conserving
- ILSAC GF-5
- GM 6094M
- Chrysler MS-6395H
- Ford WSS-M2C930A (5W-20), WSS-M2C929A (5W-30 & 10W-30)

## Typical Properties:

PROPERTY	METHOD	0W-20 Full Syn	5W-20 Full Syn	5W-30 Full Syn	10W-30 Full Syn
Gravity, °API	ASTM D287	35.23	34.64	34.54	33.84
Specific Gravity @ 60°F (15.6°C)	ASTM D4052	0.8487	0.8517	0.8522	0.8558
Viscosity @ 40°C cSt	ASTM D445	44.99	49.52	64.46	65.9
Viscosity @ 100°C cSt	ASTM D445	8.4	8.68	10.92	10.42
Viscosity Index	ASTM D2270	166	154	162	146
Pour Point °C (°F)	ASTM D5950	-48°C (-54°F)	-45°C (-49°F)	-45°C (-49°F)	-42°C (-44°F)
Cold Cranking Simulator at (°C), cP	ASTM D5293	6089 (-35)	4811 (-30)	5297 (-30)	4637 (-25)
High Temperature / High Shear Vis at 100°C, cP	ASTM D 6616	5.78	6.14	7.26	7.46
High Temperature / High Shear Vis at 150°C, cP	ASTM D4683	2.63	2.67	3.17	3.13
Noack Volatility, % loss	ASTM D 5800	13	10.2	11.1	6.2
Color	ASTM D 1500	2.5	2.5	2.5	2.5
Zinc, wt. %	ASTM D 5185	0.085	0.091	0.091	0.085
Phosphorus, wt. %	ASTM D 5185	0.077	0.079	0.079	0.077
Calcium, wt. %	ASTM D 5185	0.214	0.169	0.169	0.214
Sulfur, wt. %	ASTM D 4951	0.317	0.315	0.29	0.332
Boron, wt. %	ASTM D 5185	0.023	0.023	0.023	0.023
Molybdenum, wt. %	ASTM D 5185	0.0079	0.0079	0.0079	0.0079
Sulfated Ash, wt. %	ASTM D 874	0.92	0.92	0.92	0.92
Nitrogen, wt. %	ASTM D 4629	0.102	0.102	0.102	0.102
Pumping Viscosity at (°C), cP	ASTM D4684	17,019 (-40)	12,073 (-35)	18,092 (-35)	11,915 (-30)
CLAIMS INFORMATION		0W-20 Full Syn	5W-20 Full Syn	5W-30 Full Syn	10W-30 Full Syn
		API SN	API SN	API SN	API SN
		API SM	API SM	API SM	API SM
		API SL	API SL	API SL	API SL
		ILSAC GF-5	ILSAC GF-5	ILSAC GF-5	ILSAC GF-5
		ILSAC GF-4	ILSAC GF-4	ILSAC GF-4	ILSAC GF-4
			M2C946-A	M2C945-A	GM 6094M
			GM 6094M	GM 6094M	GM 4718M
				GM 4718M	Ford ESE-M2C153-E

**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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