

Premium Plus Passenger Car Engine Oil



PRODUCT DESCRIPTION

High Performance Lubricants' Premium Plus passenger car engine oil is a multi-synthetic high performance motor oil made with the best choices of additive chemistry. When compared with our other PCMO product lines this series takes advantage of high quality PAO delivering superb pour points as well as an advanced VI Improver that has superior shear stability index. It is designed for equipment, environment, or service that is particularly harsh. Oils formulated with specifically chosen esters can help to minimize intake valve deposits, maintain clean engines and provide elastomer compatibility. The correct detergent selection combined with base stocks that have low volatility will combat low speed pre-ignition (LSPI) making it a perfect oil for gasoline direct injected (GDI) engines and small displacement turbocharged gasoline engines. HPL PCMO Premium Plus is also formulated with extra anti-wear and antioxidant additives to minimize wear while offering an extended oil life compared to other motor oils. Additionally, HPL PCMO Premium Plus contains premium viscosity index improvers (VII) to minimize shear, further extending the life of the oil. This technology has been proven on the race tracks around the nation. Our Bad Ass Racing oils have common additive strategy when compared to this PCMO Premium Plus formulation and have been extremely successful winning multiple championships in many forms of professional motor-sports. These oils are not something you will find on the shelf of a discount retailer. If you are a person looking for a product that will outperform traditional mineral and synthetic oils our products will be a perfect fit for you.

FEATURES

- Excellent wear protection and superior high temperature stability
- Formulated to help eliminate LSPI
- Excellent for GDI engines
- Helps minimize intake valve deposits
- Compatible with conventional and synthetic oils
- Good low temperature performance
- Compatible with conventional and synthetic oils
- Excellent shear stability
- Meets or Exceeds:
 - API SP Resource Conserving (0W-16, 0W-20, 5W-20, 5W-30)
 - dexos1™ Gen2 (0W-20, 5W-20, 5W-30)
 - ILSAC GF-6A (0W-20, 5W-20, 5W-30)
 - ILSAC GF-6B (0W-16)
 - Chrysler MS6395 (0W-20, 5W-20, 5W-30)
 - Ford WSS-M2C945-B1 (5W-20)
 - Ford WSS-M2C946-B1 (5W-30)
 - Ford WSS-M2C947-B1 (0W-20)



3 time NHRA Pro Stock World Champion Erica Enders



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Typical Properties



	Method	SAE 0W-8	SAE 0W-12	SAE 0W-16	SAE 0W-20	SAE 0W-30
Viscosity						
cSt@40°C	ASTM D445	28.33	31.03	40.01	47.22	53.44
cSt@100°C	ASTM D445	5.62	6.01	7.27	8.87	10.00
Viscosity Index	ASTM D2270	142	143	148	171	177
Cold Crank Simulator (cP)	ASTM D5293	3,424@-35C	4,025@-35C	5,659@-35C	3,979@-35C	4,152@-35C
Base Number (BN), mg KOH/g	ASTM D2896	>13.5	>13.5	>13.5	>13.5	>13.5
Flash Point (°C/°F)	ASTM D92	218/424	217/423	222/432	213/415	225/437
Foaming Tendency - Sequence II	ASTM D892	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
Specific Gravity	ASTM D1298	0.854	0.855	0.858	0.860	0.856
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Copper Corrosion Prev. 3hr/24hr	ASTM D130	1a / 1a	1a / 1a	1a / 1a	1a / 1a	1a / 1a
Pour Point (°C/°F)	ASTM D97	-67/-89	-52/-62	-61/-78	-58/-72	-58/-72
High Temp High Shear Visc, cP	ASTM D5481	1.929	2.128	2.348	2.727	3.009
MRV Viscosity, cP	ASTM D4684	7,329@-40C	9,435@-40C	13,771@-40C	13,211@-40C	15,369@-40C

	Method	SAE 0W-40	SAE 5W-20	SAE 5W-30	SAE 5W-40	SAE 5W-50
Viscosity						
cSt@40°C	ASTM D445	79.68	51.11	63.63	90.66	124.50
cSt@100°C	ASTM D445	14.31	8.79	10.71	14.80	19.45
Viscosity Index	ASTM D2270	187	151	159	171	178
Cold Crank Simulator	ASTM D5293	4,829@-35C	4,246@-30C	4,468@-30C	4,879@-30C	5,652@-30C
Base Number (BN), mg KOH/g	ASTM D2896	>13.5	>13.5	>13.5	>13.5	>13.5
Flash Point (°C/°F)	ASTM D92	212/414	226/439	223/433	225/437	228/442
Foaming Tendency - Sequence II	ASTM D892	0/0/0	0/0/0	0/0/0	0/0/0	0/0/0
Specific Gravity	ASTM D1298	0.857	0.860	0.861	0.861	0.862
Rust Prevention	ASTM D665	Pass	Pass	Pass	Pass	Pass
Copper Corrosion Prev. 3hr/24hr	ASTM D130	1a / 1a	1a / 1a	1a / 1a	1a / 1a	1a / 1a
Pour Point, (°C/°F)	ASTM D97	-58/-72	-61/-78	-58/-72	-55/-67	-55/-67
High Temp High Shear Visc, cP	ASTM D5481	3.918	2.760	3.161	3.971	4.747
MRV Viscosity, cP	ASTM D4684	26,811@-40C	11,593@-35C	13,830@-35C	20,492@-35C	33,305@-35C

NOTE: Properties above are not a specification, they are typical and may vary.

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