Premium Passenger Car Engine Oil

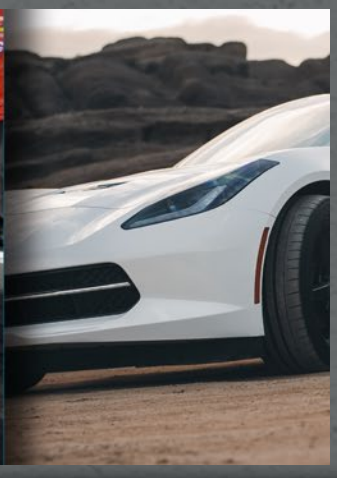
PRODUCT DESCRIPTION

High Performance Lubricants' premium passenger car engine oil is a multi-synthetic high performance motor oil made with the best choices of additive chemistry. When compared with our standard PCMO Premium product line this series takes advantage of an advanced VI Improver that has a superior shear stability index. It is designed for equipment 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 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 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 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 a are 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)
  - dexos1TM 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



Premium Passenger Car Engine Oil
Typical Properties

	Method	SAE 0W-8	SAE 0W-12	SAE 0W-16	SAE 0W-20	SAE 0W-30
Viscosity						
cSt@40°C	ASTM D445	29.50	31.11	37.58	46.02	55.02
cSt@100°C	ASTM D445	5.85	6.12	7.19	8.67	10.21
Viscosity Index	ASTM D2270	146	149	158	170	176
Cold Crank Simulator (cP)	ASTM D5293	4,873@-35C	5,005@-35C	5,673@-35C	5,646@-35C	5,830@-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	212/414	220/428	223/433	218/424	216/421
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	0.860	0.860	0.862	0.861	0.860
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	-43/-45	-43/-45	-46/-51	-43/-45	-46/-51
High Temp High Shear Visc, cP	ASTM D5481	2.005	2.129	2.378	2.760	3.110
MRV Viscosity, cP	ASTM D4684	14,278@-40C	15,418@-40C	19,905@-40C	25,565@-40C	27,118@-40C

	Method	SAE 0W-40	SAE 5W-20	SAE 5W-30	SAE 5W-40	SAE 5W-50
Viscosity						
cSt@40°C	ASTM D445	81.25	52.01	63.51	86.29	121.20
cSt@100°C	ASTM D445	14.54	8.79	10.70	14.55	19.99
Viscosity Index	ASTM D2270	188	148	159	176	189
Cold Crank Simulator	ASTM D5293	5,898@-35C	6,358@-30C	6,148@-30C	5,299@-30C	5,467@-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	216/421	218/424	214/417	217/423	222/432
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	0.859	0.873	0.872	0.874	0.882
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	-46/-51	-46/-51	-43/-45	-44/-47	-40/-40
High Temp High Shear Visc, cP	ASTM D5481	4.006	2.845	3.216	4.024	5.005
MRV Viscosity, cP	ASTM D4684	36,490@-40C	20,140@-35C	21,626@-35C	27,278@-35C	39,319@-35C

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

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