

PRODUCT DATA SHEET



ROYAL PURPLE® HPS® HIGH PERFORMANCE STREET MOTOR OIL

Royal Purple® HPS® Series motor oil is specifically formulated to maximize performance and meet the demands of high performance and modified engines. HPS is recommended for vehicles no longer under manufacturer warranty and for those seeking a higher level of performance and protection. Royal Purple HPS oils are fortified with a high level of zinc / phosphorus anti-wear additive and a generous dose of Royal Purple's proprietary Synerlec® additive technology.

These unique formulations enable HPS oils to outperform leading synthetic and conventional lubricants in both gasoline and diesel engines. All HPS viscosities are formulated for gasoline and diesel engine use. HPS meets ACEA E9-16.

Performance Advantages

- Exceptionally high film strength for dramatic reductions in engine wear and reduced engine heat to extend the life of your engine
- Improved sealing between the piston ring and cylinder wall maximizes horsepower and torque and optimizes fuel economy
- Exceptional oxidation stability extends oil life and allows for more miles driven between oil changes saving you time and money
- Advanced synthetic solvency reduces engine deposits and keeps engines clean
- Outstanding wear protection for valve train components, including performance roller lifter and high lift flat tappet camshafts and lifters
- Superior corrosion protection

		SAE GRADE				
Typical Properties*	Method	5W-20	5W-30	10W-30	10W-40	20W-50
Viscosity	D445					
cSt @ 40°C		43.51	56.25	57.66	71.25	127.70
cSt @ 100°C		8.39	11.03	10.97	13.08	18.52
Viscosity Index	D2270	173	193	186	188	163
Cold Crank Simulator	D5293					
cP @ -30°C		3,758	5,127	-	-	-
cP @ -25°C		-	-	3,782	5,272	-
cP @ -20°C		-	-	-	-	-
cP @ -15°C		-	-	-	-	5,067
TBN, mg KOH/g	D2896	10.28	10.11	10.77	9.93	10.12
Pour Point °C (°F)	D97	-51 (-60)	-51 (-60)	-48 (-54)	-48 (-54)	-45 (-49)
Flash Point °C (°F)	D92	232 (450)	216 (420)	232 (450)	229 (445)	229 (445)
Shear Stability % Loss @ 100°C	D6278	1.89	1.98	3.61	3.21	2.77

**Properties are typical and may vary*

REVISED 01/18/2019