



# HD MOTOR OIL

*HIGH PERFORMANCE ENGINE OIL*

## BEYOND SYNTHETIC®

Royal Purple® HD Motor Oil is specifically formulated to maximize performance and meet the demands of today’s heavy-duty engines. HD Motor Oil is fortified with a high level of zinc/phosphorus anti-wear additive and Royal Purple’s proprietary Synerlec additive technology.

HD Motor Oil reduces parasitic loss to save fuel and its synthetic solvency keeps internal engine parts cleaner than detergents alone. Superior oxidation resistance also greatly extends drain intervals and minimizes oil degradation. HD motor oil is recommended for use in diesel applications including automotive, commercial fleet and stationary industrial diesel engines.

## SYNERLEC® ADDITIVE TECHNOLOGY MAKES THE DIFFERENCE!

Synthetic oils enable Royal Purple to make superior lubricants, but it is Royal Purple’s advanced Synerlec additive technology that gives its lubricants their amazing performance advantages. Synerlec additive technology truly is beyond synthetic.

Synerlec additive technology forms a tough, slippery, synthetic film on all metal surfaces. This proprietary film significantly improves lubrication: first, by increasing the oil film’s thickness, and second, by increasing the oil film’s toughness, both of which help to prevent metal-to-metal contact. It displaces moisture from metal surfaces and protects all metals against rust and corrosion. It also fortifies the oil against the detrimental effects of heat, which causes oil to oxidize.

## PERFORMANCE ADVANTAGES

- Greater wear protection**
- Greatly extends oil drain intervals**
- Superior corrosion protection**
- Reduces exhaust emissions**
- Keeps engines clean**
- API-licensed diesel motor oils**
- Will not harm seals**

		SAE GRADE			
Typical Properties*	Method	30	40	50	15w40
Viscosity	ASTM D445				
cSt @ 40°C		79	121	182	110
cSt @ 100°C		10.6	14.2	18.6	15
Flash Point, °F/°C	D-92	455/235	455/235	455/235	460/238
Viscosity Index	ASTM D2270	125	115	115	145
Total Base No.		9.7	9.7	9.7	10.8

*\*Properties are typical and may vary.*