

## HD Series

HIGH PERFORMANCE  
HEAVY DUTY  
DIESEL ENGINE OIL

**MaxPro1 HD** is a range of high performance, premium quality diesel engine oil with high alkaline reserve, developed to meet the most severe performance requirements of naturally aspirated or turbocharger diesel engines operating on high sulphur distillate fuels. It also meets the demanding performance requirements of API CD for diesel service and API SF for petrol service.

### APPLICATIONS

Recommended for a wide range of use in high specific-output, four-cycle diesel engines to provide maximum protection in the most severe service conditions, including maximum oil drain interval operation, which require API CD/SF oil.

### FEATURES AND BENEFITS

- Better oxidation and thermal stability thus controlling sludge and deposits.
- Provide protection against rust and corrosion.
- Maintains excellent control of oil consumption
- High alkaline reserve to protect against corrosion due to oxides of sulfur, which emanates from high sulfur fuels during combustion.
- Prolongs engine life and improves running efficiency



Revision 23/09/15 Superseding  
issue of

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### PERFORMANCE LEVEL

It meets the performance requirements of:

- API CD/SF
- MIL-L-2104D

### TYPICAL PHYSICAL CHARACTERISTICS

SAE grade	Test Method	HD 30	HD 40	HD 50	HD 20W-50	HD 20W-20	HD 15W-40
Product Code		<b>2079</b>	<b>2080</b>	<b>2081</b>	<b>2082</b>	<b>2083</b>	<b>2084</b>
Density at 15°C, Kg/L	ASTM D1298	0.882	0.886	0.89	0.876	0.87	0.873
Viscosity at 40°C, cSt	ASTM D445	105	140	195	170	68	111.96
Viscosity at 100°C, cSt	ASTM D445	11.5	15	19	18.5	8.8	15.13
Viscosity Index	ASTM D2270	96	107	108	122	102	141
Flash Point, COC, °C	ASTM D92	240	240	240	240	236	230
Pour Point, °C	ASTM D97	-6	-6	-6	-15	-21	-30
TBN, mgm KOH/gm	ASTM D2896	8	8	8	8	8	8.0



The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development.

### Available Size & Part Number

	18L	200L
HD 30	<b>2079-18</b>	<b>2079-200</b>
HD 40	<b>2080-18</b>	<b>2080-200</b>
HD 50	<b>2081-18</b>	<b>2081-200</b>
HD 20W-50	<b>2082-18</b>	<b>2082-200</b>
HD 20W-20	<b>2083-18</b>	<b>2083-200</b>
HD 15W-40	<b>2084-18</b>	<b>2084-200</b>



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