

### PRODUCT DESCRIPTION

Vertex Magna HD 10W40 is a full synthetic lubricant for European heavy duty diesel engines. Employing synthetic technology, manufactured from high quality Polyalphaolefin (PAO) base stock. The absence of ring structures, double bonds, sulphur, nitrogen components and waxy hydrocarbons in PAO base stocks provides an extremely stable high viscosity index, facilitating long drain intervals even under the most demanding conditions. Magna HD 10W-40 is formulated to exceed the demands of Euro IV & V strict emission standards and is suitable for use in older engine types. The product contains an exceptionally high TBN reducing acidity caused by sulphur ingress during the combustion cycle – increasing service intervals up to 60,000 km. Advanced additives ensure full Diesel Particulate Filter (DPF), Selective Catalytic Reduction (SCR) and Exhaust Gas Recirculation (EGR) compatibility and protection.

### APPLICATIONS & BENEFITS

- Suitable for use where an ACEA E4/E7, or an API CI-4 rated engine oil is required.
- Can be used in older vehicles where previous API specifications are recommended.
- Recommended for use in Mercedes, Man, Scania, and many other heavy duty diesel engines recommending a high TBN, SAE 10W-40 long drain fluid.
- Suitable for use in all Euro IV and most Euro V emission regulated European diesel engines including those that use SCR (Selective Catalytic Reduction) emissions systems along with those fitted with or without DPFs (Diesel Particulate Filters).
- Suitable for use in normal or cooled EGR (Exhaust Gas Recirculation) engines where API CI-4 rated oils are required.
- The use of PAO base stocks and superior additive technology, provides a level of protection and engine cleanliness and turbochargers unsurpassed in the industry.
- Latest generation viscosity modifiers maintain oil viscosity reducing shear and engine wear.
- Select additives assist in DPF regeneration increasing Diesel Particulate Filter life and improving engine performance.
- High TBN allows for extended oil drains of up to 60,000km.
- High performance dispersants keep soot in suspension, reducing wear.
- Suitable for use in mixed fleets reducing inventory costs.
- Easier start up than 15W engine oils, resulting in reduced wear and fuel usage.

### PACK SIZES AVAILABLE

5L - 20L - 200L

### SPECIFICATIONS

- |                        |                      |                 |
|------------------------|----------------------|-----------------|
| • ACEA E4/ E7          | • MACK EO-M PLUS     | • RENAULT RLD   |
| • API CI-4             | • MACK EO-N          | • RENAULT RLD-2 |
| • JASO DH-1            | • MAN M 3277         | • SCANIA LDF-2  |
| • CAT ECF-2            | • MAN M 3377         | • SCANIA LDF-3  |
| • CUMMINS CES 20078    | • MB 228.5           | • Volvo VDS-3   |
| • DAF - EXTENDED DRAIN | • MTU OIL CATEGORY 3 |                 |
| • DEUTZ DQC IV-10      | • RENAULT RD-2       |                 |

### TYPICAL CHARACTERISTICS

MAGNA HD 10W-40	UNITS	VALUES
VISCOSITY	cSt @ 40°C	95.6
	cSt @ 100°C	14.8
SPECIFIC GRAVITY	@ 15°C	0.8696
VISCOSITY INDEX		161
POUR POINT	°C	-33
FLASH POINT	°C	220
TBN, mg KOH/g		13.8

### ADDITIONAL INFORMATION

Designed for New Zealand Conditions | Manufactured from virgin base stocks. For more technical information please contact Vertex Lubricants NZ Technical Dept. +64 9 640 0004. Sheet updated 27 June 2023.