



Diesel Engine Oils

**hyrax<sup>®</sup> ENDURO SP**



### Description

**Hyrax Enduro SP** is an SAE 10W-40 extreme performance synthetic blend multigrade diesel engine oils engineered exclusively to exceed the most stringent and severe lubrication requirement of the latest European high-output, low-emission, heavy duty diesel engines including those fitted with Exhaust Gas Recirculation (EGR) system as well as the older turbo-charged engines burning low sulphur or conventional high sulphur diesel fuel and operating under the most extreme service conditions and extended oil drain intervals.

**Hyrax Enduro SP** is specially designed to provide excellent engine cleanliness, excellent low temperature fluidity, excellent thermal and oxidation stability and exceptional wear protection to all engine parts even for long drain interval engine operation.

### Applications

**Hyrax Enduro SP** is highly recommended for severe duty high-performance diesel engines including the latest low-emission engines fitted with EGR system, both on-highway and off-highway such as off-road trucks, construction equipment and power generators operating under extended drain condition as specified by OEMs. It is also suitable for light-duty trucks, four wheel drives (4WD) and sport utility vehicles (SUVs) application.

### Benefits

- Excellent anti-wear and anti-scuff properties to prolong engine life
- Excellent thermal and oxidation stability to minimize oil thickening, high temperature deposits, sludge build-up and oil degradation
- Exceptional detergent and dispersant properties minimize deposit formation at critical engine parts and prevent soot-induced engine wear
- Contains high alkalinity reserve for extended drain service
- Excellent shear stability properties to ensure consistent oil viscosity for optimum engine operation

### Typical Characteristics

Properties	Method	SAE 10W-40
Density at 15°C, Kg/L	ASTM D4052	0.864
Flash Point, °C	ASTM D92	>210
Pour Point, °C	ASTM D97	-33
Viscosity at 40°C, cSt	ASTM D445	96.7
Viscosity at 100°C, cSt	ASTM D445	14.6
Viscosity Index	ASTM D2270	157
Total Base Number, mgKOH/g	ASTM D2896	10.5

### Performance

- |                 |                     |                           |
|-----------------|---------------------|---------------------------|
| ● API CI-4 / SL | ● Cummins CES 20078 | ● Volvo VDS-3             |
| ● ACEA E5 / E7  | ● Renault RLD-2     | ● Mercedes-Benz MB p228.3 |
| ● MTU Type 2    | ● CAT ECF-2         | ● Mack EO-N               |
| ● MAN 3275      | ● Deutz DQC III-10  | ● Global DHD-1            |



Optimise and boost engine power with maximum protection.



Excellent thermal and oxidation stability



Minimize deposit formation at critical engine parts



Consistent oil viscosity for optimum engine operation