

CHALLENGER Hydraulic Oil 68

Product Data Sheet



CHALLENGER Hydraulic Oil 68 is an hydraulic oil designed for modern hydraulic machinery, ensuring consistent performance in diverse operating conditions. It satisfies the demands of the latest hydraulic equipment and meets all major global hydraulic OEM requirements.

Benefits

- Balanced anti-wear chemistry reduces wear, protecting components and increasing equipment life.
- Exceptional oxidation stability helps extend oil drain intervals.
- In-built rust & corrosion inhibitors offer protection to spools, valves, and other critical internal components.
- Hydrolytic stability, foam inhibition, and air release boost system efficiency.

Application

- Stationary and mobile hydraulic equipment operating in severe conditions.
- Industrial hydraulic equipment in agriculture, construction, road building, mining, and other sectors.
- As a circulation oil for moderately loaded gears and bearings.
- Hydraulic applications in industrial machinery such as lathes, milling machines, etc.

Performance Level

Meets/Exceeds:

- DIN 51524 Part 2 (HLP)
- Denison HF-0, HF-1, HF-2
- ISO 11158 HM
- ASTM D6158 Type HM
- Cincinnati Machine P-68, P-69, P-70
- AFNOR NF E 48-603 HM
- Eaton Brochure 694 for 35VQ25A
- GM LS2

Product Characteristics

Properties	Units	Test Method	VG 68
Density at 15 °C	kg/L	ASTM D4052	0.8858
Viscosity at 40 °C	mm ² /s	ASTM D445	68.2
Viscosity at 100 °C	mm ² /s	ASTM D445	8.8
Viscosity Index	-	ASTM D2270	102
Flash Point, COC	°C	ASTM D92	242
Pour Point	°C	ASTM D97	-18
<i>Product Code</i>			500043

* Please refer to the product Safety Data Sheet (SDS) for health, safety, and handling information.

* Information, test methods, figures are typical and conform to specification; minor variation may occur.

* Refer Owner's Manual for the manufacturer's recommended performance level, viscosity grade and approval requirement.

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