



Brayco HV

Hydraulic Fluid

Description

Castrol Brayco™ HV 15 is a red mineral oil based low viscosity hydraulic fluid which is intended for use in hydraulic systems where rapid system response is required, particularly at low temperatures.

Brayco HV 15 is produced from low viscosity highly refined mineral basestock, shear stable viscosity index improver, antioxidants, corrosion inhibitors and anti-wear additives.

Application

Hydraulic systems operating at low ambient temperatures or driven by accumulators, such as Emergency Shut Down Valves and Watertight Door Controls.

Advantages

When compared to conventional mineral based hydraulic oils Brayco HV 15 offers the following advantages:-

- Excellent low temperature fluidity.
- Good viscosity characteristics over a wide temperature range.
- Good elastomer compatability.
- Good compatability with metals.

Typical Characteristics

Name	Method	Units	HV 15
Appearance	Visual	-	Clear red fluid
Specific Gravity @ 15°C / 59°F	ISO 3675 / ASTM D1298	kg/m ³	870
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	14
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	5.4
Kinematic Viscosity @ -40°C / -40°F	ISO 3104 / ASTM D445	mm ² /s	540
Kinematic Viscosity @ -54°C / -65°F	ISO 3104 / ASTM D445	mm ² /s	2200
Viscosity Index	ISO 2909 / ASTM D2270	-	>350
Pour Point	ISO 3016 / ASTM D97	°C / °F	<-60 / <-76
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C / °F	100 / 212
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml / ml	<100 / 0
Foam Sequence II - tendency / stability	ISO 6247 / ASTM D892	ml / ml	<100 / 0
Foam Sequence III - tendency / stability	ISO 6247 / ASTM D892	ml / ml	<100 / 0
Four Ball Wear	ASTM D 4172	mm	<1.0 (Condition B)

Subject to usual manufacturing tolerances.

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07 Mar 2019
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