



Hyspin AWV 32

Very High VI Hydraulic Oil

Description

Hyspin™ AWV 32 is a premium quality hydraulic fluid with a very high viscosity index suited to extreme climate conditions.

Application

Hyspin AWV 32 is suitable for use in deck equipment on ships operating between extremes of climatic conditions, it is also suitable for use as a hydraulic fluid for hatch cover operating systems on reefer vessels.

Hyspin AWV 32 is suitable for use in mining and forestry applications, especially equipment operating in very low temperatures.

Hyspin AWV 32 is fully inhibited against oxidation, contains additives to prevent corrosion and foaming and is based on ashless (zinc free) antiwear additive system.

Advantages

Hyspin AWV 32 is a blend of selected naphthenic base oils and polymers. This results in an oil which, when compared with conventional hydraulic fluids, has a greatly reduced variation in viscosity with temperature change. Hyspin AWV 32 may therefore be used in systems operating in climatic conditions varying from sub-Arctic to Tropical.

Typical Characteristics

Name	Method	Units	Hyspin AWW 32
ISO Viscosity Grade	-	-	32
Density @ 15°C / 59°F	ISO 12185 / ASTM D4052	kg/m ³	878
Kinematic Viscosity @ 100°C / 212°F	ISO 3104 / ASTM D445	mm ² /s	11.01
Kinematic Viscosity @ 40°C / 104°F	ISO 3104 / ASTM D445	mm ² /s	32
Kinematic Viscosity @ -40°C / -40°F	ISO 3104 / ASTM D445	mm ² /s	1,600
Viscosity Index	ISO 2909 / ASTM D2270	-	355
Flash Point - closed cup method	ISO 2719 / ASTM D93	°C/°F	95 / 203
Pour Point	ISO 3016 / ASTM D97	°C/°F	-57 / -70
Foam Sequence I - tendency / stability	ISO 6247 / ASTM D892	ml/ml	25/0
Air Release	ISO 9120 / ASTM D3427	min	3
Copper corrosion (3 hrs@100°C/212°F)	ISO 2160 / ASTM D130	Rating	1
Rust test - synthetic seawater (24 hrs)	ISO 7120 / ASTM D665B	Rating	Pass (no rust)
Four Ball Wear test - Wear Scar Diameter (30 kgf / 75°C / 1460 rpm / 1 hr)	ASTM D4172	mm	0.35

Subject to usual manufacturing tolerances.

Additional Information

With the exception of silver plated components Hyspin AWW 32 is compatible with all metals and construction materials used in marine hydraulic systems.

Hyspin AWW 32 is compatible with all seal materials used in systems designed to operate with mineral oils.

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Castrol Industrial, Technology Centre , Whitchurch Hill , Pangbourne , Reading , RG8 7QR , United Kingdom

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