

CHAMPION BIO HYDRAULIC FLUID 2268

This is a biologically degradable hydraulic oil based on carefully refined vegetable oils and an adapted additive package in order to meet the requirements of hydraulic equipment manufacturers. With its very high viscosity index (>200), this product is a multigrade and corresponds to the classes ISO VG 32, 46 and 68.

APPLICATIONS

This product is particularly applicable in general lubrication and hydraulic systems, which require high performances and/or are working in an environment, where mineral oil contamination is to be avoided [forestry and rural environments]. This type of oil has to be used when the local legislation concerning the environmental protection prohibits the use of mineral oils. This oil is compatible with all current sealing materials: nitrile, polyacrylate, silicones, epichlorhydrine.

FEATURES

Temperature stability: very high stability

Anti-wear and oxidation stability: adequate protection of systems

PERFORMANCE

DIN

51524 Part 3

ISO

6743-4, HETG

TYPICAL CHARACTERISTICS

Test	Method	Unit	Average results
Color	ASTM D1500		1
Density at 15°C	ASTM D4052	g/ml	0.920
Kinematic viscosity at 40°C	ASTM D445	mm ² /s	36
Kinematic viscosity at 100°C	ASTM D445	mm ² /s	8.4
Viscosity index	ASTM D2270		222
Pour point	ASTM D6892	°C	-30
Copper corrosion [150°C, 3h]	ASTM D130		1-100 A24
Flash Point COC	ASTM D92	°C	280
Kin. viscosity at 20 °C [calculated]	Calculated	mm ² /s	77
Biodegradability	CEC L-33-T-82	%	99% in 20 days
FZG Gear Test, Fail Stage	DIN 51354		12
Kin. viscosity at 0°C [calculated]	Calculated	mm ² /s	200
Demulsification	DIN 51599		30 min

We reserve the right to alter the general characteristics of our products in order to let our customers benefit of the latest technical evolutions.

CHAMPION CHEMICALS NV

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