

CHAMPION BIO HYDRAULIC FLUID 2268

DESCRIPTION:

This is a biologically degradable hydraulic oil, which is composed from 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), the product is a multigrade and corresponds to the classes ISO VG 32, 46 and 68.

APPLICATIONS:

The product is particularly applicable in hydraulic systems, which require high performances and/or are working in an environment, where mineral oil contamination is to prescribe: forestry and rural environments, etc.

In general lubrication: gear cases, bearings, lost lubrication, etc..., with the same conditions as here above-mentioned. This type of oil has to be used when the local legislation concerning the environmental protection exclusively prohibits the use of mineral oils.

This oil is compatible with all current sealing materials: nitrile, polyacrylate, silicones, epichlorhydrine, etc...

SPECIFICATION LEVEL:

The oil meets the technical specifications, according to the DIN 51524 (part 3) norm for hydraulic HVLP-oils.

It has been approved by most manufacturers of hydraulic pumps, (e.g.: MANNESMANN REXROTH, BUCHER, WABCO WESTINGHOUSE (valves) and by a great number of engine manufacturers (KIEFER, KOPA, ROTTNE-INDUSTRI, GEBR. HOLDER, HANOMAG, MASSEY-FERGUSON, KALBLE-GMEINDER, etc...).

TYPICAL CHARACTERISTICS:

Test	Method	Unit	Average result
Colour	D 1500		1
Density at 15°C	D 4052	kg / m ³	920
Viscosity at ± 0°C	D 445	cSt	200
Viscosity at 20°C	D 445	cSt	77
Viscosity at 40°C	D 445	cSt	36
Viscosity at 100°C	D 445	cSt	8,4
Viscosity index	D 2270		222
Flash point COC	D 92	°C	280
Pour point	D 6892	°C	-32
Corrosion CU	DIN 51759		1-100 A 24
Desemulsification	DIN 51599		30 min.
Corrosion Steel	DIN 51585		0-A
F Z G test	DIN 51354		12
Biodegradability	Völtz		99% in 20 days

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