

PRODUCT DATA SHEET

HYDRAULIC OILS ZINC FREE ISO 46 AND 68

PRODUCT DESCRIPTION

Campbell Petroleum Distributors Hydraulic Oils Zinc Free are ashless, zinc free, anti-wear hydraulic oils blended from high quality mineral oils possessing a high viscosity index and low pour point in combination with a special ashless, multi-functional oxidation, rust and wear inhibiting additive package. These oils ensure a long trouble free service life and will be chemically stable under severe operating conditions. They provide excellent protection against corrosion, resist emulsification and the formation of unwanted stable foam.

BENEFITS

- Superior thermal and hydrolytic stability.
- Very high oxidation stability.
- Superior demulsibility and anti-foam properties.
- Very high load carrying capacity - excellent EP performance.
- Excellent corrosion protection for steel and non-ferrous metals.
- Good filterability - lower tendency to block filters.
- Significantly reduced pump wear.

SPECIFICATIONS

Campbell Petroleum Distributors Hydraulic Oils Zinc Free meet or exceed the following demanding performance requirements:

- Vickers I-286-S, M-2950S
- Parker Hannifin France HF-0
- DIN 51524, Part 2 (HL, HLP)
- DIN 51506 (VBL, VCL, VDL)
- ISO/DP 6521 (DAA, DAB, DAH, DAG)
- SS 155434
- AFNOR N FE 48-603 (HM, HV)
- Denison HF-1, HF-2, HF-0
- Cincinnati Milacron P-69, P-70
- US Steel 126, 127, 136
- ISO11158 (HM)
- VDMA 24318
- SEB 181 222
- ISO 6743/4 (HM)

Please Note: the equipment manufacturers' recommendations for viscosity grade, performance requirements and general operating conditions should be checked prior to use.

PRODUCT DATA SHEET

TYPICAL PROPERTIES

Property	Units	ASTM Method	46	68
ISO Viscosity		-	46	68
Item Code		-	9005	9006
Colour			Amber /brown	Amber/brown
Density @ 15°C	kg / L	D-1298	0.867	0.884
Viscosity @ 40°C	cSt	D-445	46	68
Viscosity @ 100°C	cSt	D-445	6.9	8.9
Viscosity Index		D-2270	105	104
Flash Point	°C	D-92	>150	>150
Pour Point	°C	D-97	-27	-27
FZG Load Test, Fail Stage		DIN 51534	12	12
Copper Strip; 3hr @ 100°C		D-130	1a	1a
Rust Characteristics		D-665 A/B	Pass	Pass
Sulfated Ash (% wt)		D-874	<0.01	<0.01

Available in:

Hydraulic Oil Zinc Free 46	205 Litres (9005-205) and 20 Litres (9005-220)
Hydraulic Oil Zinc Free 68	205 Litres (9006-205) and 20 Litres (9006-220)

“Campbell Petroleum Distributors has endeavoured to ensure that all information, representations and specifications contained in this product data sheet are accurate at the time of publication. This general information should be used in conjunction with appropriate inquiries by users of the product including consultation with the vehicle or equipment manufacturers published information.

It is the responsibility of users of the product to use the product safely. Users should consult the safety data sheets for each product at www.campbellpetroleum.com. Campbell Petroleum Distributors takes no responsibility for injury or damage if the product is used in an inappropriate or unsafe manner.

Our product warranty and product quality statement can be viewed at www.campbellpetroleum.com.

Effective: August 2021

MR128090/4