



## TECHNICAL DATA SHEET

# AIMOL Hydroline HLP ZF

## New-generation antiwear, ashless hydraulic oil

### DESCRIPTION

**AIMOL Hydroline HLP ZF** is a zinc free mineral hydraulic oil based on the latest additivation technology. Guarantee maximum efficiency as regards hydraulic equipment, an unequalled lifetime service oil and a marked reduction in maintenance costs. AIMOL Hydroline HLP ZF has an excellent antiwear properties ensuring protection of machine parts. Due to exceptional oxidation and ageing stability it gives great service oil life. Prevents formation of deposits in the circuit thanks to remarkable thermal stability. AIMOL Hydroline HLP ZF has an excellent filterability with or without presence of water. This oil is resistant to hydrolysis, has good demulsification, anti rust and anticorrosion properties.

### APPLICATION

**AIMOL Hydroline HLP ZF** can be used in heavy duty hydraulic installations as well as gearboxes working under light conditions. Also suitable for general lubrication.

### PERFORMANCE LEVEL

**AIMOL Hydroline HLP ZF** meets/exceeds the following performance levels/specifications:

- ◆ DIN 51524 part 2 (HLP)
- ◆ Denisson HF-0, HF-1, HF-2
- ◆ Vickers I-286-S
- ◆ AFNOR NFE 48-603 cat. HM

### AVAILABLE PACKS

New drum 205 Litre ISO-VG 32	Art.#8717662394218
Can 20 Litre ISO-VG 32	Art.#8717662394225
New drum 205 Litre ISO-VG 46	Art.#8717662394232
Can 20 Litre ISO-VG 46	Art.#8717662394249
New drum 205 Litre ISO-VG 68	Art.#8717662394256
Can 20 Litre ISO-VG 68	Art.#8717662394263

### TYPICAL FIGURES

Parameter	Test method	HLP ZF 32	HLP ZF 46	HLP ZF 68
Density at 20°C kg/m <sup>3</sup>	ASTM D1298	869	872	878
Flashpoint C.O.C. in °C	ASTM D92	223	230	245
Pourpoint in °C	ASTM D97	-33	-30	-27
Viscosity at -20°C in mm <sup>2</sup> /s	ASTM D4052	2292.8	-	-
Viscosity at 0°C in mm <sup>2</sup> /s	ASTM D4052	336.1	597.0	1033.4
Viscosity at 40°C in mm <sup>2</sup> /s	ASTM D445	32	46	68
Viscosity at 100°C in mm <sup>2</sup> /s	ASTM D445	5,4	6,7	8,7
Viscosity Index	ASTM D2270	103	100	101
Zinc content	-	0	0	0
TOST oxidation stability, h	ASTM D943	3700	3500	>3000
FZG test, failure stage	FZG A/8.3/90	>12	>12	>12
Cleanliness code	ISO 4406	20/18/14		

### HEALTH AND SAFETY

**AIMOL Hydroline HLP ZF** has no adverse health effects provided it is used as directed.

### TECHNICAL DATA INFO LINE

Should you require additional information or advice on AIMOL products, please contact us as per the details below.

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