

# PRODUCT INFORMATION



A Product of Valvoline Cummins Ltd.

## Valvoline HLP 32 / 46 / 68

### PRODUCT DESCRIPTION

Valvoline HLP 32 / 46 / 68 are specially formulated for use in hydraulic systems employing high performance pumps. They possess excellent oxidation, demulsibility characteristics & high FZG rating. The products are further fortified with rust & foam inhibitors.

### CHARACTERISTICS / APPLICATIONS

- Valvoline HLP oils have good filterability & are formulated to meet Cincinnati Milacron P-69, DIN 51524 Part 2, Dennison HF-0, Dennison HF-2 specifications.
- Excellent film strength & anti-wear, properties to minimise wear in pumps, rings, valves, pistons, cylinders etc.
- High demulsibility.
- Anti-foam properties ensure efficient functioning.
- High Viscosity index to ensure excellent viscosity characteristics under operating conditions.

Valvoline HLP 32 / 46 / 68 are recommended for use in hydraulic systems, high performance electro-hydraulic or numerically controlled systems, pumps & circulation oiling systems & enclosed gear boxes.

### PERFORMANCE STANDARDS

**DIN 51524 Part 2**  
**Dennison HF-0, HF-2**  
**Cincinnati Milacron P-69**  
**US Steel 127**  
**IS : 11656 : 1986**

### TYPICAL CHARACTERISTICS

#### ISO VG

Kinematic Viscosity, cSt @ 40°C

Viscosity Index

Flash Point, COC, °C, min.

FZG Test, Pass Stages

Rust Test D665, A&B, 24 hrs.

Emulsion Test, D-1401, 40-37-3, minutes, max.

### VALVOLINE HLP

	<b>32</b>	<b>46</b>	<b>68</b>
	30	46	68
	95	95	95
	200	200	200
	10	10	10
	Pass	Pass	Pass
	20	20	20

**Available Pack:** 20, 210 Ltrs.

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