



ENZED® Parker Hannifin (Australia) Pty Limited ABN 89 008 446 893
Lot 9 Chapple Street, Wodonga Victoria 3690
ENZED® Parker Hannifin (New Zealand) Pty Limited ABN 89 008 446 893
No 5 Bowen Road, Mt Wellington N.Z 1060
PHONE: 13 13 62 (AU) | 0800 4 enzed (NZ) | www.enzed.com.au | www.enzed.co.nz

PRODUCT DATA SHEET

Hydraulic HVI 32-68

PRODUCT DESCRIPTION

Hydraulic HVI 32-68 are specialised premium hydraulic fluids which have been formulated to handle extremes of operating temperatures, pressures, power densities and fluid flow rates which are associated with high horsepower hydraulic systems. These fluids provide unique, long life operating service characteristics via a combination of anti-wear, detergent and very shear stable viscosity-improving additives.

BENEFITS

Hydraulic HVI 32-68 are multi-grade oils which that have smaller viscosity changes with temperature variations than conventional fluids. At the high operating temperatures experienced in high horsepower hydraulic systems this property results in improved full-bodied, wear reducing, lubricating films compared to the thinned-out fluidity of the more conventional hydraulic fluids. This special viscosity control property is maintained by the very high shear stable viscosity improver (VI) incorporated in **Hydraulic HVI 32-68**.

The anti-wear additives in **Hydraulic HVI 32-68** ensure protection where high pressures, power densities and temperatures are inherently experienced with high horsepower hydraulic pumps operating at pressures up to 28,000 kPa (4000 psi). Thus these oils allow hydraulic systems to give long, trouble-free service.

The high aniline point of **Hydraulic HVI 32-68** ensures good compatibility with synthetic rubbers, giving extended life to seals. The powerful anti-oxidation inhibitors of **Hydraulic HVI 32-68** reduce oxidation so that degradation is inhibited; thereby reducing corrosion related problems of shortened hydraulic life, erratic control valve operation, filter plugging, down time and so on.

Hydraulic HVI 32-68 have Multi-Metal compatibility with the ability to control wear and corrosion of copper and aluminium alloys used in high performance pumps. Corrosion inhibitors and metal passivators formulated in these fluids, in severe operating service, prevent corrosion of steels and the above more easily attacked metals. While formulated with a low zinc formula, it is NOT recommended for silver components used in Lucas PM pumps. For these products use the Hi-Tec ZF range of products.

Hydraulic HVI 32-68 possess excellent filterability even in the presence of moisture contamination where other lubricants may cause deposition products which plug filter systems (formed as a result of hydrolytic instability particularly with non-ferrous hydraulic components).

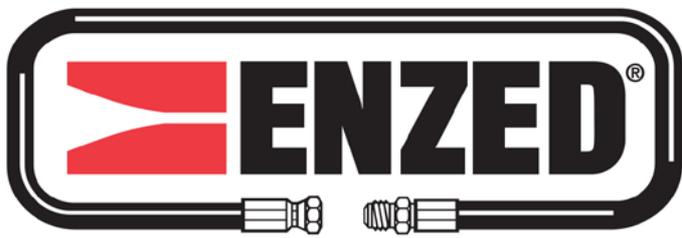
The anti-foam additive ensures any entrained air will quickly separate from the fluids so that wear producing metal-to-metal contact is avoided.

Hydraulic HVI 32-68 are not normally recommended as a lubricant for compressors, circulating systems, bearings, general purpose lubrication and enclosed gears where extreme high-pressure load characteristics are not required.

PERFORMANCE SPECIFICATIONS

Hydraulic HVI 32-68 meet the requirements specified for industrial and mobile hydraulic systems: Parker Denison HF-1, HF-2, HF-0; Commercial Hydraulics; Vickers I-286-S, M-2950S; AFNOR N FE 48-603 (HM, HV); AFNOR N FE 48-691 (wet); Cincinnati Milacron P-68, P-69, P-70; SS15534; DIN 51524, Part 2; and ISO 6743/4 (HM, HV).





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TYPICAL PROPERTIES

Specification	Units	ASTM Method	Result		
ISO Viscosity	-	-	32	46	68
Product Code	-	-	2740	2742	2744
Appearance	-	-	Blue		
Density @ 15°C	kg / L	ASTM D 1298	0.863	0.879	0.887
Viscosity @ 40°C	cSt	ASTM D 445	32	46	68
Viscosity @ 100°C	cSt	ASTM D 445	6	7.8	10.2
Viscosity Index		ASTM D 2270	136	139	135
Flash Point	°C	ASTM D 92	207	215	228
Pour Point	°C	ASTM D 97	-25	-25	-25
Foaming Characteristics, All sequences after settling	-	ASTM D 892	Nil	Nil	Nil
Oxidation Characteristics, Hours to TAN 1.5	-	ASTM D 943	1500	1500	1500
Rust Prevention, Salt Water, After 48 hours	-	ASTM D 665 B	Pass	Pass	Pass
Carbon Residue, Conradson % Mass	-	ASTM D 524	0.03	0.04	0.04
FZG Load Test	Stages Passed	DIN 51534/12	12	12	12

Available In: Bulk, 1000 Litres, 200 Litres and 20 Litres

Product Codes: EZ5-2740, 2742 and 2744

"The facts stated and the recommendations made herein are believed to be accurate. No guarantee of their accuracy is made however, and unless otherwise expressly provided in written contract, the products are sold without conditions or warranties, expressed or implied. Purchasers should determine the suitability of such products for their particular purposes".

Effective: August 2015

Expires: August 2017

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