LubeFusion
lubricant solutions at work

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HYDRAULIC OILS
32, 46, 68, 100, 150, 220HV

DESCRIPTION

Lubefusion HV hydraulic fluids are shear stable**, multi-grade** high viscosity index hydraulic fluids designed for use in hydraulic systems with high operating temperatures.

APPLICATION

- Industrial hydraulic systems
- hydraulic couplings
- Industrial torque converters
- Compressors
- Hydraulic on construction and mobile equipment
- Industrial circulating systems
- Hydraulic systems that have gear, vane or piston pumps
- Machine tools
- Plastic injection moulding equipment

PERFORMANCE

Meets or exceeds:

- DIN 51524 PART 2, (JSO 32, 46, 68,150,220)
- ISO STANDARD 6743 PART 4, TYPE HR
- AAMA STANDARD 524 PART 2 (ISO 32, 46, 68,150,220)
- US STEEL 126 AND 127
- VICKERS M-2952-S, 1-286-S (INDUSTRIAL APPLICATIONS), M-2950-S (MOBILE APPLICATION) ISO 32, 46, 68,150,220
- DENISON HYDRAULICS HF-O (ISO 32, 46, 68,150,220)
- ASTM D 6158 TYPE HM AND HV
- GM LS2
- EATON BROCHURE 694 FOR 35VQ25

ADVANTAGES

- Formulated to minimise corrosion, oxidation, foaming and machinery wear for use in highly stressed gear, vane and piston type hydraulic systems wherehigh levels of anti-wear performance are needed.
- They also contain a shear stable Viscosity Modifier which maintains a higher viscosity at elevated temperatures compared to normal hydraulic oils.
- With conventional hydraulic fluids in systems with high working temperatures (>100°C), the fluid viscosity can be reduced to levels which can cause rapid wear or equipment seizure. Lubefusion HVI fluids incorporate polymers to maintainadequate viscosity at high working temperatures.
- As with other Lubefusion hydraulic oils, the HVI range meets the performance specifications of leading manufacturers of hydraulic equipment.

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TYPICAL PHYSICAL CHARACTERISTICS

Property	Unit	32	46	68	100	150	Method
Colour		Blue	Blue	Blue	Blue	Blue	visual
ISO Grade		32	46	68	100	150	
Viscosity @ 40°C	cSt	32	46	68	100	150	ISO 3104
Air Release@ 50°C	Min's	7	10	12	22	30	ISO 9120
Viscosity Index	VI	140	140	140	140	120	ISO2909
Flash Point (Min)	°C	175	180	180	180	200	ISO2592
Pour Point (Max)	°C	-30	-27	-24	-21	-18	ISO3016
FZG Pass Load Stage (Min)		10	10	10	10	10	ISO14635-1
Water separation -time to 3ml emulsion at 54°C max	Min	30	30	30	-	-	ISO 6614
Copper corrosion, 100°C, 3h Max	Class	2	2	2	2	2	ISO 2160