



HYDRAULIC OIL

DESCRIPTION

Potenza Hydraulic Oil is a range of virgin mineral base oils blended to meet the requirements of the International Standards Organisation (ISO) viscosity grades. They provide outstanding protection and performance in most manufacturing and many mobile equipment operations. The range is classified as a type HM0 hydraulic fluid incorporating anti-wear, anti-oxidation, anti-foam and anti-corrosion additives.

APPLICATIONS

Potenza Hydraulic oils are formulated for use in all forms of hydraulic equipment and machinery where high oxidation stability and excellent anti-wear performance are required. These include but are not limited to:

- Hydraulic Systems
- Gear Units
- Centrifugal pumps
- Machine Tools
- Bearing Lubrication Systems
- Injection Moulding machines

BENEFITS

- Superior wet and dry filterability
- Excellent anti-wear properties
- Balanced formulation for the best performance
- Multi metal compatibility
- Outstanding thermal and oxidation stability
- Outstanding corrosion protection
- Rapid water separation
- Excellent anti-foam properties
- Extended service life
- Reduced downtime
- Higher productivity
- High viscosity index

PERFORMANCE

Potenza Hydraulic Oil grades meet the specification requirements of the major manufacturers of hydraulic pumps and motors. These include:

- Denison HF-0, HF-1 and HF-2
- Cincinnati Machine P-68, P-70, P-69
- Eaton Brochure 694 for 35VQ25A
- DIN 51524 Part 2 (HLP) & Part 3 (HVLPL)
- GM LS2
- ISO 11158 Categories HM and HV
- ASTM D 6158 Type HM and HV
- AFNOR NF E 48-603 HM and HV

TYPICAL PHYSICAL CHARACTERISTICS

Typical Values	Visc @ 40°C (cSt)	Visc @ 100°C (cSt)	VI	SG @ 20°C (kg/L)
Hydraulic Oil 22	22	4.3	101	0.865
Hydraulic Oil 32	32	5.5	108	0.875
Hydraulic Oil 46	46	6.9	105	0.882
Hydraulic Oil 68	68	8.8	102	0.885
Hydraulic Oil 100	100	11.1	96	0.888
Hydraulic Oil 150	150	14.5	95	0.890