

product data sheet

VARPRESS S RANGE

High performance AW hydraulic oil

VARPRESS S hydraulic oils are premium quality oils blended on base stocks chosen to provide a high Viscosity Index together with resistance to oxidation and degradation.

VARPRESS S hydraulic oils contain Zinc and Phosphorus anti-wear additives making them ideal for severe applications.

VARPRESS S hydraulic oils are suitable for use in turbine or closed circulation lubricating systems thanks to their excellent stability. Varpres hydraulic oils are NOT suitable for systems containing silver or silver plated parts and components

Features and Benefits

| | |
|---|--|
| Anti-wear properties | Excellent thermal stability |
| Resistant to oxidation | Good water separation |
| Formulated on high quality mineral oils | Resistance to sludge formation |
| Light colour | Non corrosive to steel and copper alloys |
| Compatible with sealing materials used in hydraulic installations | |
| Excellent anti-foaming and air release | |
| Low pour points to ensure fluidity at low temperatures | |

Specifications

DIN 51524 Parts 1(HL), 2(HLP)
ISO 11158 (HL, HM)
AFNOR NF ISO 11158 (HL, HM)
Eaton (Vickers) 1-286-S
US Steel 126
US Steel 127

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Typical Data

| ISO Grade | | | 10 | 22 | 32 | 46 | 68 |
|-------------------------------|----------------------|--------------|----------|----------|----------|----------|----------|
| Parameter | Unit | Method | | | | | |
| Kinematic Viscosity | | | | | | | |
| KV40 | mm ² /Sec | ASTM-D445 | 10.00 | 22.00 | 32.00 | 46.00 | 68.00 |
| KV100 | mm ² /Sec | ASTM-D445 | 2.67 | 4.30 | 5.37 | 6.77 | 8.70 |
| Viscosity index | - | ASTM-D2270 | 99 | 99 | 99 | 99 | 99 |
| Particle count ** | | ISO4406:2021 | 21/19/16 | 21/19/16 | 21/19/16 | 21/19/16 | 21/19/16 |
| Density @ 15.5°C | g/cm ³ | ASTM-D4052 | 0.846 | 0.848 | 0.848 | 0.850 | 0.882 |
| Flashpoint | °C | ASTM-D92 | 170 | 200 | 204 | 206 | 208 |
| Pour point | °C | ASTM-D97 | -37 | -33 | -33 | -31 | -31 |
| Oxidation | Hours | ASTM-D943 | >2400 | >2400 | >2400 | >2400 | >2400 |
| Copper Corrosion | - | ASTM-D130 | 1a | 1a | 1a | 1a | 1a |
| Air Release | Minutes | ASTM-D3427 | - | - | 4 min | 6 min | 6 min |
| FZG failure load stage | | DIN 51354-2 | 12 | 12 | 12 | 12 | 12 |

** ISO Code at the point of filling.

| Varol Metalworking | | Varol Machine Lubricants | |
|-------------------------------|--|--|---|
| Varcut | Neat cutting oils, high performance, extensive range of viscosities | Varlube S Viscosity 32 - 320 | Slideway |
| Varform | Comprehensive range of neat forming oils, including water extendable versions and vanishing oils | Varmulti Viscosity 32 - 680 | Multilube - Slideway, Gear, Hydraulic |
| Varclean | Aqueous based wash fluids, surface cleaners and solvent degreasers | Vargear Viscosity 68 - 460 | Industrial Gear |
| Varcool & Vargrind | Comprehensive range of high performance water soluble fluids. Low, medium, high oil content and synthetics | Varpress Viscosity 5 - 150 | Hydraulic oil range covering zinc containing, zinc free and high VI |