

HYDRAULIC HYFLOW HV

High Viscosity Index
Anti-Wear Hydraulic Oils

MaxPro1 Hyflow HV hydraulic are high performance anti-wear hydraulic oils specifically designed to meet the needs of modern, high pressure, mobile and industrial equipment hydraulic systems.

MaxPro1 Hyflow HV is a high viscosity index hydraulic oil for use in mobile and industrial equipment operated in a wide range of sub-arctic and temperate climates. This offers superior shear stability and cold temperature performance.

MaxPro1 Hyflow HV is blended according to the latest thermally stable zinc additive technology, and can be used for traditional in-plant hydraulic applications. It exceeds most industry hydraulic fluid specifications, including: Denison HF-2, HF-0 Commercial Shearing, Vickers and Cincinnati Milacron.

APPLICATIONS

- Systems where cold start-up and high operating temperatures are typical.
- Systems requiring a high degree of load-carrying capability and anti-wear protection.
- Industrial and mobile equipment hydraulic systems operating at high pressures and temperatures in critical applications.

FEATURES AND BENEFITS

- Resistance to a change in viscosity when subjected to a change in temperature, enabling true all-weather operation with little downside other than cost.
- Shear Stable, High Viscosity Index Sustained component protection over a wide temperature.
- Low foaming tendency, even at high circulation rates.
- Good water separation, allows removal of water to reduce damages caused by corrosion.
- Excellent thermal stability



Revision 23/09/15 Superseding
issue of

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PERFORMANCE LEVEL

It meets the performance requirements of

- DIN 51524 part 2 and 3
- Cincinnati Lamb (Mailacron) P68-69-70
- Denison HF-0, HF-1, HF-2
- US Steel 127 & 136
- Eaton (formerly Vickers) I-286-S & M-2950-S

TYPICAL PHYSICAL CHARACTERISTICS

| ISO Viscosity Grade | 15 | 32 | 46 | 68 | 100 | 150 |
|---|-------------|-------------|-------------|-------------|-------------|-------------|
| Product Code | 6040 | 6041 | 6042 | 6043 | 6044 | 6045 |
| Density @ 15°C ASTM D4052, g/ml | 0.840 | 0.868 | 0.870 | 0.871 | 0.880 | 0.882 |
| K.V @ 40°C ASTM D445, mm ² /s | 15 | 32 | 46 | 68 | 100 | 150 |
| K.V @ 100°C ASTM D445, mm ² /s | 3.83 | 6.3 | 8.1 | 10.4 | 13.91 | 17.7 |
| Viscosity Index ASTM 2270 | 155 | 163 | 150 | 157 | 140 | 130 |
| Pour Point ASTM D97, °C | -48 | -39 | -36 | -36 | -33 | -30 |
| Flash Point, PMCC ASTM D93, °C | >150 | >190 | >190 | >190 | >190 | >190 |
| Foam Seq 1 ASTM D892, m/s | 20/0 | 20/0 | 20/0 | 20/0 | 20/0 | 20/0 |
| FZG fail stage (A8.3/90) DIN 51354 | - | - | 11 | 12 | 12 | 12 |
| Rust Test (24 hrs Distilled Water) ASTM D665A | pass | pass | pass | pass | pass | pass |

The information provided is to our best knowledge, true & accurate, subjected to change without notification due to continual product research and development.

Available Size & Part Number

| | 18L | 200L |
|---------------|----------------|-----------------|
| Hyflow HV 15 | 6040-18 | 6040-200 |
| Hyflow HV 32 | 6041-18 | 6041-200 |
| Hyflow HV 46 | 6042-18 | 6042-200 |
| Hyflow HV 68 | 6043-18 | 6043-200 |
| Hyflow HV 100 | 6044-18 | 6044-200 |
| Hyflow HV 150 | 6045-18 | 6045-200 |



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