

## HYDRAULIC HYFLOW ALS

Zinc Free and Ashless  
Hydraulic Oil

**MaxPro1 Hyflow ALS** Hydraulic series are formulated from high-grade selected refined base stocks and additive package. They are free from ash-forming components, silicone and zinc.

**MaxPro1 Hyflow ALS** are high performance lubricants that use exclusive ashless technology to provide outstanding protection and performance in most manufacturing and many mobile equipment operations. They resist breakdown under heat or mechanical stress, helping to prevent damaging deposits that can decrease the efficiency of your hydraulic system.

### APPLICATIONS

**MaxPro1 Hyflow ALS** ashless formulation meets or exceeds major vane, piston and gear pump manufacturer's requirements for viscosity, rust and corrosion protection, hydrolytic stability, water separability, foam inhibition, and filterability. Suitable for a wide range of hydraulic power applications found in manufacturing and industrial environments, especially applications involving yellow metals found in piston pumps.

**MaxPro1 Hyflow ALS** is also suitable for modern hydraulic systems for which DIN 51524 part 2 HLP quality level is required. It can be used also for the lubrication of bearings and spur gears in equipment such as machine tools.

### FEATURES AND BENEFITS

- Compatible with most other mineral oil based hydraulic fluids.
- Reduced environmental impact in the event of a leak or accidental spillage compared to conventional zinc-based hydraulic fluids.
- High oxidation stability makes possible stable performance under high -temperature, high-pressure conditions for a long period of time.
- Low foaming tendency, even at high circulation rates.
- Good water separation, allows removal of water to reduce damages caused by corrosion.
- 1 • Compatible with most seals.



Revision 23/09/15 Superseding  
issue of

## HYDRAULIC HYFLOW ALS

Zinc Free and Ashless  
Hydraulic Oil

### PERFORMANCE LEVEL

It meets the performance requirements of:

- DIN 51524 Part II AND III (HLP, HVLP)
- DIN 51515 Part I, Part II
- Denison HF0
- US Steel 120
- Cincinnati Milacron P-38, P-54, P-55, P-57, P-62
- AFNOR NF E 48-603

### TYPICAL PHYSICAL CHARACTERISTICS

GRADE, ISO-VG	32	46	68	100
Product Code	<b>6020</b>	<b>6021</b>	<b>6022</b>	<b>6023</b>
Specific Gravity (15°C)	0.871	0.876	0.881	0.887
Flash Point (PMCC), °C	220	226	225	230
Pour Point, °C	-30	-30	-24	-21
Viscosity, Kinematic				
cSt @ 40°C	32	46	68	100
cst @ 100°C	5.4	6.8	8.7	9.9
Viscosity Index	104	98	97	100

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
<b>Hyflow ALS 32</b>	<b>6020-18</b>	<b>6020-200</b>
<b>Hyflow ALS 46</b>	<b>6021-18</b>	<b>6021-200</b>
<b>Hyflow ALS 68</b>	<b>6022-18</b>	<b>6022-200</b>
<b>Hyflow ALS 100</b>	<b>6023-18</b>	<b>6023-200</b>



Revision 23/09/15 Superseding  
issue of