



**Borealis Extreme**  
HVI AW Synthetic Hydraulic Oil  
ISOVG22,32,46&68

**Product Description**

**Borealis Extreme HVI AW Hydraulic Oils** are full synthetic, multi-grade, premium, multi-purpose hydraulic oils designed for use in severe applications as well as applications which may experience wide temperature variance. Formulated with synthetic base stocks and highly shear-stable viscosity modifiers, these multi-grade oils provide consistent viscometrics across wide temperature ranges ensuring even power transmission of the hydraulic system across wide operating temperatures. The carefully selected synthetic base stocks provide superior oxidation protection thus extending oil life. Further, these oils are fortified with an additive package that includes anti-wear, anti-oxidant, and anti-corrosion agents as well as demulsifier and defoamer. Available in the ISO 22, 32, 46, and 68 viscosity grades, **Borealis Extreme Multiplex Synthetic AW Hydraulic Oils** are top tier synthetic hydraulic fluids recommended for the most demanding applications.

**Typical Properties\***

ISO VG	22	32	46	68
Appearance, Visual	Yellow, Transparent, Liquid			
Viscosity @ 40°C, cSt, ASTM D445	22.0	32.0	46.0	68.0
Viscosity @ 100°C, cSt, ASTM D445	4.65	6.11	8.13	11.11
Viscosity Index, ASTM D2270	130	140	150	155
Flash Point, °C, ASTM D92	215	225	225	235
Pour Point, °C, ASTM D97	-45	-40	-40	-40

\*The values shown are typical of current production. Some are controlled in the manufacturing process, while others are not. All of them may vary within tolerable ranges.

**Suitable for Use:**

Parker Denison HF-0, HF-1, HF-2  
MAG IAS P-69 (ISO 68)  
MAG IAS P-68 (ISO 32)  
MAG IAS P-70 (ISO 46)  
GM LS-2  
JCMAS HK  
U.S. Steel 127  
U.S. Steel 136  
Bosch Rexroth RD90220  
SAE MS1004

**Product Codes:**

ISO VG 22- SAE601  
ISO VG 32 – SAE602  
ISO VG 46 – SAE603  
ISO VG 68 – SAE604

