



***Borealis Extreme Clearbright***  
AW Hydraulic Oil  
ISOVG32,46&68

**Product Description**

**Borealis Extreme Clearbright Hydraulic Fluids** are high-performance, inherently biodegradable hydraulic oils that are formulated with severely hydrotreated (highly refined) mineral oils and a premium ashless (zinc-free) anti-wear additive package. Suitable for use in environmentally sensitive areas, **Synthex Altum Clearbright Hydraulic Oils** are designated as inherently biodegradable as defined by OECD Test Method 301B and exhibit lower levels of toxicity when compared to conventional Anti-Wear hydraulic oils. The sophisticated ashless (zinc-free) additive package provides excellent oxidation stability as well as protection against rust, foaming, and corrosion. **Borealis Extreme Clearbright Hydraulic Oils** are available in ISO 32, ISO 46 and ISO 68 viscosity grades and can be utilized in a variety of applications.

**Typical Properties\***

ISO VG	ISO 32	ISO 46	ISO 68
Appearance	Clear to Slightly Yellow Liquid, Free & Clear		
Viscosity cSt @ 40°C	31.4	44.8	67.1
Viscosity cSt @ 100°C	5	7	9
Pour Point, °F	-28.00	0.27	-29.00
Flash Point, °F	412	405	408
Viscosity Index	105	109	113
OECD 301B	Inherently Biodegradable		

\*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.

**Meets or Exceeds the Following Specification Requirements:**

-Dennison HF-0, HF-1, HF-2	-Cincinnati Machine P-68, P-69, P-70
-Eaton Vickers M-2950-S, I-286-S	-General Motors LS-2, LH-03, LH-04, LH-06
-DIN 51524 Part 2	-JCMAS HK
-US Steel 127	

**Product Codes:**

ISO VG 32 – SXA610  
ISO VG 46 – SXA611  
ISO VG 68 – SXA612

