



## Signal Tech Hydraulic Anti-Wear XL Oils

### Product Application:

Signal Tech Hydraulic Anti-Wear XL Oils are full synthetic premium quality heavy duty, high performance ashless, "zinc free" extended life fluids developed to exceed the requirements of high output hydraulic systems, steam and hydraulically driven turbine systems and for use in high pressure or high speed vane and gear – type hydraulic pumps, rotary vane-type compressors, vacuum pumps, machine tools and circulating systems.

They were developed utilizing premium quality technical grade pure synthetic base stocks and the latest environmentally conscious additive componentry to provide for a product that exceed the exacting specifications of modern close tolerance hydraulic systems utilizing high pressure high output pumps while excelling at providing superior lubrication and an excellent operating medium for the precise requirements of critical servo-valve operation and the ultra-precision of computer numerical controlled or "CNC" machines.

### Meets or Exceeds the following Specifications:

Hagglunds-Denison, HF-0, HF-1, HF-2	Racine Vane pumps – variable volume
Eaton-Vickers 1-286-5, M-2952-5, 35VQ-25	US Fish and Wildlife Aquatic toxicity LC-50
Eaton-Char-Lynn	Vickers V104 C
Haldex Hydraulic	Sauer Danfoss
Rexroth	Sauer Sundstrand
Rexnord	Parker Hannifin
Linde	DIN 51524-2 2006-09
Commercial Shearing HD 2/900	AFNOR E-48-600HL
Commercial Inertech	General Electric GEK 32568F
Cincinnati Machine P-68, P-69, P70	Siemens TLV 9016 03/02
US Steel 127, 128, 136	
FZG A/8.3/90: 12	

### Features and Advantages:

- \*Pure synthetic base stocks
  - \*Environmentally responsible utilizing biodegradable technology
  - \*Ability to maintain proper viscosity at high temperatures
  - \*Excellent oxidation and rust protection
  - \*Excellent anti-foaming properties
  - \*Applications where cross-contamination of hydraulic fluids and coolants can occur
  - \*Extended drain intervals
  - \*Environmentally compatible with Japan Eco Label
- & Water hazard classifications acc. to AwSV: WGK 1

### Typical Characteristics:

ISO GRADE	15	22	32	46	68	100
Gravity, Degrees API	30.2	30.2	30.1	28.5	29	28
Viscosity Index (Min.)	151	136	135	138	138	139
Viscosity						
cSt @ 100 °C	3.9	4.5	5.6	7.0	10.1	13.2
cSt @ 40 °C	15.6	20.5	32	46	67	98
Flash Point, COC, °F	431	428	450	460	495	530
Pour Point, °F	-60	-60	-60	-60	-60	-40
Oxidation Astm D943	>12,000	>12,000	>12,000	>12,000	>12,000	>12,000
Copper Strip						
Corrosion test						
ASTM D130	1A	1A	1A	1A	1A	1A