



Lotus Lubes™ SkyBlue AW Hydraulic Oil

PRODUCT DESCRIPTION

Lotus Lubes™ SkyBlue AW Hydraulic Oil are special hydraulic fluids formulated from highly-refined base stocks and proprietary zinc-free additive technology to offer ultimate protection of operating equipment and the environment. The zinc-free (ashless, no ZDDP in composition) additive formulation was developed for service applications within environmentally sensitive areas such as parks, bodies of water, recreational areas, amusement parks, ski resorts, in-ground lifts and equipment operating in populated areas. SkyBlue AW Hydraulic Oil is non-toxic to sea life and non-hazardous to surrounding inhabitants in case of an accidental leak, release or spill.

Lotus Lubes™ SkyBlue AW Hydraulic Oil exceeds ASTM D5864 standards for classification as Inherently Biodegradable. It also meets requirements for U.S. EPA 40 CFR Static Sheen Test (water sheen or slick) in ambient seawater and EPA LC50 Saltwater Test (Shrimp Kill).

FEATURE & BENEFITS

- * Optimum wear protection for hydraulic pumps and motors
- * Exceptional oxidation, rust, corrosion and foam resistance
- * Safe for use in applications containing yellow metal gear components
- * Meets Static Sheen requirements (EPA 40 CFR)
- * Meets EPA LC50 Saltwater Standards
- * Non-toxic classification per reporting requirements
- * Inherently biodegradable (ASTM D5864 Standards)
- * Fully recyclable (vegetable based fluids are not)
- * **Dyed BLUE to differentiate from non-environmentally friendly fluids**
- * Provides optimum service life through 6,000+ hour oxidation stability performance (ASTM D-943)
- * Offer superior performance when compared to vegetable based fluids
- * Very cost-effective when compared to synthetic based environmental fluids
- * Fully compatible with hydraulic oils that contain zinc; however mixing will mitigate environmental benefits



TYPICAL PHYSICAL PROPERTIES

ISO GRADE	32	46	68
Lbs./Gallon	7.2	7.2	7.2
Gravity, API @ 60°F	32.2	31.3	31.0
Pour Point °C (°F)	-20 (-4)	-18 (0)	-15 (5)
Flash Point, °C (°F)	216 (420)	217 (423)	244 (471)
Oxidation Hrs, ASTM D-943	>6000	>6000	>6000
Viscosity Index	100	100	100
Viscosity cSt @ 40°C	33.7	40.5	66.5
Viscosity cSt @ 100°C	5.6	6.3	8.80
Color, ASTM D1500	<1.5	<1.5	<1.5

Minor variations in typical physical properties may occur from normal manufacturing processes

APPLICATIONS

Recommended for sensitive, high-flow, high-pressure and heavy-load hydraulic and circulating systems requiring:

- * Parker Hannifin (Denison) HF-O, HF-1, HF-2, & T6H2OC
- * Eaton Vickers 35VQ25A Pump, M-2950-S, & I-286-S3
- * Cincinnati Milacron P-68, P-69, & P-70
- * U.S Steel 126 & 127
- * DIN 51 524, Part 2
- * AFNOR 48-603 (HM), 48-690 (Dry), 48-691 (wet filtration tests)