TERRESOLVE™
EnviroLogic™ Products

35585 Curtis Boulevard • Eastlake, Ohio 44095 • (440) 951-8633 • (440) 951-4341 FAX

EnviroLogic® 3000 Series

High Performance Biodegradable Hydraulic Fluid

Description

EnviroLogic® 3000 Series Hydraulic Fluids are high performance, readily biodegradable, non-hazardous hydraulic fluid. Are intended for severe service, extreme high temperature (400° F), low temperature (-40° F) and high pressure applications. Formulated from biodegradable non-toxic base stocks that afford exceptional oxidation and thermal properties, EnviroLogic® is ideal for mobile hydraulic systems operating in environmentally sensitive areas. It exhibits enhanced wear protection, cleanliness and longer life than conventional petroleum hydraulic oils. EnviroLogic® can directly replace petroleum oil based hydraulic fluids- - yet has reduced environmental impact in the event of a leak or spill.

Typical Properties	**EnviroLogic® 3000 Series**		
EnviroLogic® Product Number	**3032**	**3046**	**3068**
ISO Viscosity Grade	32	46	68
Viscosity, centistokes			
@ 100 ^{0} C	7.2	10.0	14.0
@ 40^0 C	33.3	49	67.4
@ 0^0 C			
@ -20^0 C			
@ -30^0 C			
Viscosity Index	190	185	217
Pour Point,°C	-42 (-35)	-40	-39
Flash Point,° C	208	221	214
Specific Gravity, 15.6C (60F)	0.85	0.86	0.86
Density, lb/gal, 15.6C (60F)	7.086	7.16	7.16
API Gravity, 15.6C (60F)	30.8	28.0	25.5
Performance Properties			
Rust, D-665B	Pass	Pass	Pass
FZG, D5182, Pass Stage	12	12	12
Oxidation Stability, D-943, dry Hrs to AV>2	300	300	300
Vickers 35VQ-25 Pump	Pass	Pass	Pass
Biodegradability, D 5864, %	>60	>60	>60
Aquatic Toxicity: Trout, LC50, ppm, OECD 201	>10,000	>10,000	>10,000
Daphnia magna, EC50 ppm, OECD 202	>10,000	>10,000	>10,000
Algae EC50, ppm, OECD 203	>5,000	>5,000	>5,000

EnviroLogic® 3000 Series meet the requirements for the following manufacturers and most major manufacturers: Denison HF-O, Vickers M-2950-S, Vickers V-104C, Vickers 35VQ-25,

Cincinnati Milacron P-68/P-70/P-69, Sauer Sundstrand, ATI 9101, Denison TP 30283A, and Vane Pump Test/P46 Pump Test.