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# EnviroLogic® 100 Series

## Biodegradable Non-Toxic Hydraulic Fluids

### Description

EnviroLogic® 100 Series Hydraulic Fluids are readily biodegradable, non-hazardous hydraulic fluid and intended for general purpose hydraulic systems. 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® 100 Series			
EnviroLogic® Product Number	<b>122</b>	<b>132</b>	<b>146</b>	<b>168</b>
ISO Viscosity Grade	22	32	46	68
Viscosity, centistokes				
@ 100° C	5.0	7.0	10.4	14.5
@ 40° C	22.0	32.0	46.0	68.0
Viscosity Index	>180	205	200	215
Pour Point, °C	-36	-36	-36	-36
Flash Point, °F	>190	>400	>400	>400
Specific Gravity, 60°F	0.86	0.89	0.92	0.92
Density, lb/gal, 15.6C (60F)	7.16	7.41	7.66	7.66
API Gravity, 15.6C (60F)	--	27.5	22.3	22.3
<b>Performance Properties</b>				
Biodegradability, Modified Sturm OECD 301B	>61%	>61%	>61%	>61%
Aquatic Toxicity:				
Fathead Minnow LC50 ppm, 96 h	>10,000	>10,000	>10,000	>10,000
Daphnia magna, EC50 ppm, 48 h	>10,000	>10,000	>10,000	>10,000
Sludge respiration inhibition, EC50, ppm	>10,000	>10,000	>10,000	>10,000
Algae EC50, ppm	>5000	100-100	100-100	100-100

EnviroLogic® 100 Series meets the requirements for the following manufacturers and most major manufacturers: Denison Pumps, Vickers, Vickers V-104C, Vickers 35VQ-25, Sauer-Sundstrand, Denison, Mannesmann, RexRoth