

## ULTRAGREEN® 100 SERIES

### BIODEGRADABLE NON-TOXIC HYDRAULIC FLUIDS

#### Applications:

UltraGreen 100 Series Hydraulic Fluids are high performance, readily biodegradable, non-hazardous hydraulic fluids and are intended for general purpose hydraulic applications. UltraGreen 100 Series offer a service life of up to 1,000 hours. Formulated from biodegradable non-toxic base stocks that afford exceptional oxidation and thermal properties, UltraGreen 100 Series 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. UltraGreen 100 Series can directly replace petroleum oil based hydraulic fluids and will reduce the environmental impact in the event of a leak or spill.

#### Typical Industrial Applications:

- Hydraulic Systems
- Gears
- Valves
- Chains
- Environmentally Sensitive Applications
- Bearings
- Circulating Oil
- Air Line Lubricant

#### Performance Benefits:

- Non-Toxic
- Non-hazardous and Readily biodegradable
- Meets the requirements for the following manufacturers and most major manufacturers: Denison Pumps, Vickers, V-104C, Vickers 35VQ-25, Sauer-Sundstrand, Denison, Mannesmann, RexRoth

TYPICAL PROPERTIES	TEST METHOD	UltraGreen 122	UltraGreen 132	UltraGreen 146	UltraGreen 168
ISO Grade	ASTM D2422	22	32	46	68
Viscosity @ 40°C,cSt	ASTM D445	22.0	32.0	46.0	68.0
Viscosity @ 100°C,cSt	ASTM D445	5.0	7.0	10.4	14.5
Viscosity Index	ASTM D2270	>180	205	200	215
Flash Point, °F	ASTM D92	>350	>400	>400	>400
Pour Point, °C	ASTM D97	-36	-36	-36	-36
Four Ball Wear	ASTM 4172	0.40	0.40	0.40	0.40
Oxidation Stability , TOST	ASTM D9432	>1,000	>1,000	>1,000	>1,000
Dielectric Strength, KV	---	45	45	44	40
FZG Pass Stage	ASTM D5182	14	14	14	14
Biodegradability	ASTM D5864	>61	>61	>61	>61
Modified Sturm OECD 301B, %					
Aquatic Toxicity:					
Fathead Minnow LC50 ppm, 96h		>10,000	>10,000	>10,000	>10,000
Daphnia magna, EC50 ppm, 48h	---	>10,000	>10,000	>10,000	>10,000
Sludge respiration inhibition, EC50		>10,000	>10,000	>10,000	>10,000
Algae EC50, ppm		>5,000	100-100	100-100	100-100
Lbs./Gal.	---	7.16	7.41	7.66	7.66
Specific Gravity	ASTM D1298	0.86	0.89	0.92	0.92

12/10

#### HEALTH & SAFETY

To obtain an MSDS on this or any other Ultrachem product, please contact your representative.

#### TECHNICAL SUPPORT

To learn more about Ultrachem products and applications please contact us at [info@ultracheminc.com](mailto:info@ultracheminc.com)



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