



ClearGuard AW Oil

PureGreen® ClearGuard AW Oils are premium hydraulic fluids formulated from select re-refined base stocks and proprietary, zinc-free additive technology to deliver ultimate equipment protection, environmental benefits and conservation of non-renewable petroleum resources. The zinc-free (ashless) 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. The unique result is a premium quality lubricant that is non-toxic to sea life and non-hazardous to surrounding inhabitants in case of an accidental leak, release or spill.

Through stringent independent testing, PureGreen ClearGuard AW exceeds ASTM D5864 standards for classification as *Inherently Biodegradable*. It also exceeded requirements for EPA 40 CFR *Static Sheen* (water sheen or slick) approval in ambient seawater.

PureGreen ClearGuard AW Oil is specially formulated to provide:

- Optimum wear protection for hydraulic pumps and motors
- Exceptional oxidation, rust, corrosion and foam resistance
- Excellent demulsification (water separation) properties
- Optimum filterability
- Safe for use in applications containing yellow metal gear components
- Passes Static Sheen Test (EPA 40 CFR)
- Non-toxic classification per reporting requirements
- Inherently biodegradable (ASTM D5864 Standards)
- Fully recyclable (vegetable based fluids are not)

ClearGuard AW Oils are preferred over conventional oils by providing optimum lubricant performance (5,000+ hour service intervals) while delivering valuable environmental benefits. They provide superior performance when compared to vegetable oils and provide a viable alternative to high-priced synthetic fluids. They are recommended for hydraulic systems, high-pressure circulating systems and are suitable for use where the following requirements are recommended: Denison HF-O, HF-1 & HF-2, Vickers M-2950-S & I-286-S3, Cincinnati Milacron P-68, P-69, & P-70, and U.S Steel 126 & 127. *ClearGuard AW is fully compatible with AW oils containing zinc; however, mixing will diminish environmental benefits. Continue to follow proper spill prevention measures when using ClearGuard AW Oils.*

PureGreen ClearGuard AW Oil			
TYPICAL INSPECTION TESTS			
ISO Grade	32	46	68
Lbs./Gallon	7.2	7.2	7.2
Pour Point °C (°F)	-32(-26)	-29(-20)	-26(-15)
Flash Point, °C (°F)	200(392)	200(392)	210(410)
Oxidation Hrs, ASTM D-943	>5000	>5000	>5000
Viscosity Index	106	106	106
Viscosity cSt @ 40°C	32.0	45.8	68.2
Viscosity cSt @ 100°C	5.6	6.9	9.1
EPA 40 CFR Sheen Test	Pass	Pass	Pass
ASTM D5864 @ 23 Days	43%	43%	43%
Gravity, API	31.2	30.4	29.7
Re-Refined Base Oil, %	>90	>90	>90