



EARTHKEEPER® WRL

BIODEGRADABLE WIRE ROPE LUBRICANT

Wire ropes are a machine component. Like any other machine component, they have moving parts that require lubrication. Bending and stretching of the rope results in friction and a good anti-wear lubricant is called for. Earthkeeper® WRL penetrates to the core, ensuring that the rope is lubricated throughout. The oil is treated with additives that enhance anti-wear capabilities and even provide a degree of extreme pressure protection. Wire rope life is extended. Downtime for rope changes is reduced and production is increased.

Earthkeeper® WRL is ideal for marine environments. Negative consequences from accidental spillage are greatly reduced, as it easily passes all tests for biodegradability and is classified as "Readily Biodegradable".

Earthkeeper® WRL meets the definition of a biobased lubricant as outlined in section 9001 of The Farm Security and Rural Investment Act (FSRIA) of 2002 (Public Law 107-171/ HR 2642) and qualifies for preferred procurement by U.S. Federal Agencies as set forth in FSRIA section 9002.

Earthkeeper® WRL has been certified by the USDA as biobased, and has earned USDA BioPreferred designation.

BENEFITS:

- **BIODEGRADABLE** – an ethical and safe choice for use in sensitive areas.
- **WEAR PROTECTION** – extreme load carrying extends rope life.
- **RUST RESISTANCE** – outstanding protection.
- **MULTI-GRADE** – reduces viscosity variations with changing temperatures.

APPLICATIONS:

Use Earthkeeper® WRL for all wire ropes, especially those in ecologically sensitive areas and near waterways.

ASTM #		TYPICAL CHARACTERISTICS
D-445	Kinematic Viscosity	
	cSt @ 40°C	24.4
	cSt @ 100°C	5.9
D-2270	Viscosity Index	205
D-97	Pour Point, °F (°C)	-35 (-37)
Gardner Method	Density, lb/gal @ 60°F (15.5°C)	7.64
	Specific Gravity, g/cc @ 60°F (15.5°C)	0.918
D-92	Flash Point, °F (°C) Cleveland Open Cup	320 (160)
D-2783	Four Ball EP Weld Point, kg	250
D-4172	Four Ball Wear Scar Wear, mm	0.40
D-665	Rust Test	Pass

The above are average values. Minor variations which do not affect product performance are to be expected in normal manufacturing.

PACKAGING

Shuttle Tanks	Drums	Pails
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THE WHITMORE MANUFACTURING COMPANY

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