

PRODUCT DATA SHEET

Royal Enviroguard AW Hydraulic Oils Biodegradable AW Hydraulic Fluid



PRODUCT DESCRIPTION:

Royal Enviroguard AW Hydraulic Oils are fully formulated anti-wear hydraulic oils using a vegetable oil and a unique, ashless additive system. These oils were developed as an alternative to mineral oil based hydraulic fluids in response to environmental concerns.

KEY FEATURES:

- Contains no heavy metals
- Excellent anti-wear performance
- Good lubricity
- Good low temperature performance

CUSTOMER BENEFITS:

- High biodegradability
- High oxidative stability
- High Viscosity Index (VI)

APPLICATIONS:

- Recommended and designed for hydraulic applications in sensitive environments

PACKAGING:

Drums and Totes

Typical Properties

Royal Enviroguard AW Hydraulic Oils				
Product Number	844	846	845	Test Method
ISO Grade	32	46	68	
Viscosity@40°C, cSt	35	43	63.5	ASTM D445
Viscosity@100°C, cSt	7.9	10.4	13.9	ASTM D445
Viscosity@100°F, SUS	176	233	318	
Viscosity@210°F, SUS	52.6	61.5	74.8	
Viscosity Index (VI)	198	208	215	ASTM D2270
Flash Point@°C	500	485	450	ASTM D92
Pour Point@°C	-10	-30	-33	ASTM D97
ASTM Color	0.5	0.5	0.5	ASTM D1500
API	23.5	21.7	22.1	ASTM D-287
Specific Gravity@60°F	0.92	0.918	0.919	ASTM 4052
Density	0.91829	0.9189	0.9165	

Typical Properties are typical of those obtained with normal production tolerance and do not constitute essentially a specification. Variations that do not affect product performance are to be expected during normal manufacture and at different blending locations. The information contained herein is subject to change without notice.

Health and Safety:

When used for its intended application, this product is not expected to have any adverse health implications. For complete information on safe handling, as well as physical and chemical characteristics please refer to the Material Safety Data Sheet (MSDS) found on our website, www.royalmfg.com, or call 918-584-2671. Do not use this product for purposes other than its intended use. Please be responsible to the environment when disposing of used product.