



HYDROL EAL

PRODUCT DESCRIPTION:

To minimize environmental impact and protect the environment from accidental oil spills, we have developed the HYDROL EAL range of biodegradable hydraulic oils. These advanced lubricants are formulated with synthetic oleochemical esters and are readily biodegradable, meeting stringent biodegradability and toxicity standards. They provide an eco-friendly solution while delivering high performance in hydraulic systems.

APPLICATION:

HYDROL EAL lubricants are designed for use in high pressure industrial, marine, construction and mobile applications that are operated in environmentally sensitive areas. Use in applications that require any of the following:

- Pw1 Ultimate Biodegradability (ASTM D5864)
- OECD 301B Readily Biodegradable
- Vessel General Permit (VGM) Compliant
- EN 16807: European Standard

FEATURES & BENEFITS:

- Excellent biodegradability (ultimately biodegradable)
- Low aquatic toxicity
- Good antiwear and anticorrosion performance
- Non bio accumulating
- Very high renewability content
- Excellent low temperature flow properties
- Excellent oxidation stability
- Good SRE-NBR seal compatibility

TYPICAL PROPERTIES:

PARAMETERS	TEST METHOD	UNIT	HYDROL EAL		
ISO VG			46	68	100
Kinematic Viscosity @ 104°F / 40°C	ASTM D7042	cSt	46	68	100
Kinematic Viscosity @ 212°F / 100°C	ASTM D7042	cSt	8	10.8	14.5
Viscosity Index	ASTM D2270	-	148	149	150
Density@15°C/ 60°F	ASTM D4052	g/cm³	TBR	TBR	TBR
Flash Point (min)	ASTM D92	°C	280	284	286
Pour Point (max)	ASTM D97	°C	-44	-42	-40
Copper Strip Corrosion 3 hours @ 100° C	ASTM D130	-	1A	1A	1A
Rust Characteristics	ASTM D665A&B	-	PASS	PASS	PASS
Foam Sequence I, II, III	ASTM - D892	ml	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0
Demulsibility, 54°C, 3ml emulsion	ASTM - D1401	minutes	40/40/0 (15)	40/40/0 (20)	40/40/0 (20)

DISCLAIMER: The test data presented above is indicative and not a strict specification, as it may vary within acceptable production tolerances. Internol reserves the right to update or modify this test data. For the most accurate and current information, please refer to the latest version of this Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Continuous or repeated exposure to oil may lead to skin problems. Avoid contact with the oil. In case of contact, wash thoroughly with soap and water. Do not dispose of used oil in drains or the environment. Dispose of it at an authorized used oil collection point. For additional safety information, please refer to the MSDS available on our website at www.internol.net.

PROTECT THE ENVIRONMENT:

Take used oil to an authorized collection point. Comply with local regulation. Do not discharge into drains, soil or water.