



HYDRON EAL

PRODUCT DESCRIPTION:

HYDRON EAL has created a line of biodegradable hydraulic oils, the HYDRON EAL range, to lessen environmental harm and combat accidental oil spills. These synthetic oleochemical esters-based products are environmentally friendly and meet rigorous standards for biodegradability and toxicity. Their readily biodegradable nature ensures minimal impact on the environment while providing effective lubrication for hydraulic systems.

APPLICATION:

HYDRON EAL lubricants are designed for high-pressure industrial, marine, construction, and mobile applications in environmentally sensitive areas. They meet requirements for biodegradability, low toxicity, and environmental safety to reduce impact on ecosystems and surroundings.

- 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	HYDRON 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 (min)	ASTM D2270	-	148	149	150
Density @15°C/ 60°F	ASTM D4052	g/cm ³	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 provided is not a final specification; rather, it serves as a guideline and may vary within acceptable production tolerances. Bravoil reserves the right to modify this test data. Any updates will supersede previous versions, so please refer to the most recent Technical Data Sheet (TDS).

HEALTH & SAFETY, ENVIRONMENT:

Prolonged and repeated contact with oil may cause skin disorders. Avoid contact. Wash immediately with soap and water. Do not discharge used oil in to drains or the environment. Dispose to an authorized used oil collection point. For further Information on Safety Guidelines please refer to MSDS available on our website www.bravoil.ae

HEALTH & SAFETY:

This product is not likely to present any significant health or safety hazards when properly used in the recommended application and good standards of personal hygiene are maintained. Reference is made to the Safety Data Sheet (SDS) which is available on request via your local sales office or via the internet www.bravoil.ae

PROTECT THE ENVIRONMENT:

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

STORAGE:

We recommend to store all packages under cover. In case outside storage is unavoidable, drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should never be stored above 60°C, exposed to hot sun or freezing conditions.