



HIGH PERFORMANCE
EAL OILS AND
SERVICES

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ENVIROLIN PROFILE

IN A FEW WORDS

2008 : Founded by Denis Giguère.

Quebec : Headquarters in Quebec.

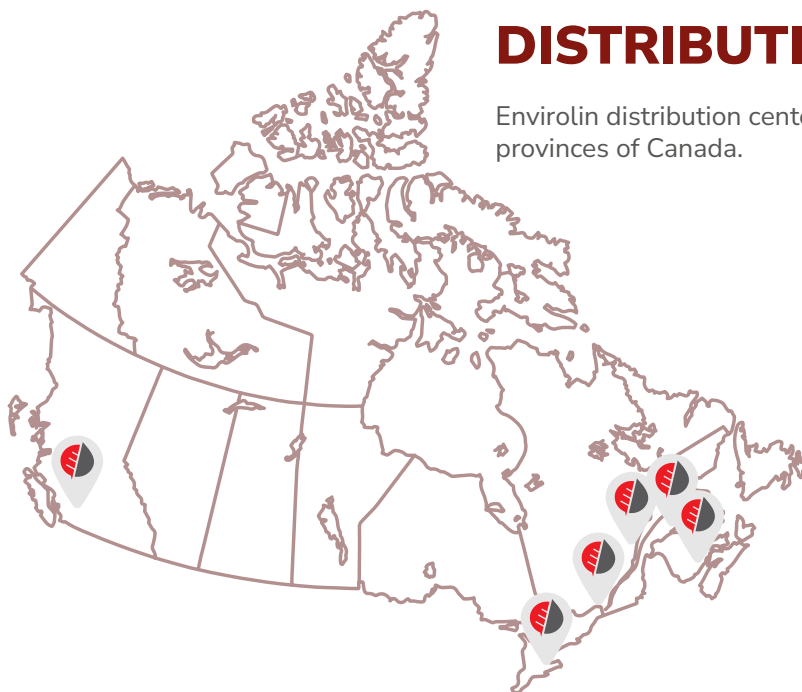
Pioneer : Leader in the certification of biodegradable oils.

N°1 : Largest distributor and importer of biodegradable oils in Canada.

“ We firmly believe that sustainability is the key to shaping a better future with EAL oils. ”

DISTRIBUTION

Envirolin distribution centers in different provinces of Canada.



A SUBSIDIARY OF GROUPE SG

GROUPE SG

TRANSPORT &
DISTRIBUTION

SG ÉNERGIE

ÉNERGIE GOUIN

SG TRANSPORT ÉNERGIE

BIODEGRADABLE
PRODUCTS

ENVIROLIN CANADA

LGD

POLYENERGY

BIOPAV CANADA

YOUR ADVANTAGES

“ Over 18 years of experience in importing and distributing biodegradable oils. ”



PROTECT THE ENVIRONMENT

- Readily biodegradable lubricant
- Low toxicity
- Reduced CO₂ emissions due to lower oil/fuel consumption
- Complies with global regulations and international eco-labels
- Supports your environmental compliance policy

Environment

Technology

Economy



SAVE MONEY

- Extended oil drain intervals
- Reduced maintenance costs
- Less waste disposal
- Oil analysis monitoring program
- Equipment availability



BOOST PERFORMANCE

- High thermal and shear stability
- Excellent oxidation stability
- Exceptional protection against wear and corrosion
- Hydrolytic stability - low acidity, non-emulsifying
- No deposits - protects your system
- High-performance, highly efficient lubricant

“ High performance lubricant
reducing maintenance costs
and machine downtime. ”



“ Heavy Duty Lubricant :
When 24/7 equipment
availability is required. ”

ENVIROLIN EAL HEPR 37

Biodegradable Synthetic Hydraulic Oil

EAL HEPR 37 biodegradable synthetic hydraulic oil is formulated with the latest-generation of synthetic base oils, meeting the following environmental standards:

- OECD 301B for biodegradability,
- OECD 201-202-203 for low toxicity,
- and OECD 107 for non-bioaccumulation.

The absence of zinc enhances environmental protection.



Excellent performance
in cold starts



High thermal stability



Superior anti-corrosion
protection



Rapid air release
capacity

ENVIROLIN EAL HEPR 37



Specifications

ENVIROLIN EAL HEPR 37 meets the performance requirements of leading heavy equipment manufacturers for biodegradable synthetic fluids. These manufacturers include well-known brands such as Liebherr, CAT, Volvo, Komatsu, Case, Hitachi, John Deere, Doosan, Kubota, Link Belt, Hyundai and others.

- DIN 51524-2 HLP, DIN 51524-3 HVLP-D
- DIN ISO 15380, US EPA/VGP:13, CLASSIFIED AS EAL
- OECD 301B, ISO 6743-4 HEPR, ISO 6743-4 HV
- LIEBHERR BASIC-LEVEL LH-00-HYC
- SWEDISH STANDARD SS 15 54 34
- CINCINNATI MILACRON P-68, P-69, P-70



Environment

“Environmentally Acceptable Lubricants” (EAL) fluids, including ENVIROLIN EAL HEPR 37, are defined as biodegradable, non-bioaccumulative and of low toxicity (environmentally safe) lubricants for aquatic environments.



Product Benefits

- Biodegradable synthetic hydraulic fluid, recognized for its durability and flexibility in a wide range of ambient temperatures.
- Designed for long-life applications.
- Excellent cold-start performance.
- High thermal stability.
- Energy savings.
- Rapid air release capacity.
- Very low foaming behavior.
- Excellent shear resistance (viscosity retention).
- Significant hydrolysis resistance.
- Superior anti-corrosion protection.
- No static charge buildup.
- High compatibility with materials and elastomers, even at high temperatures.

ENVIROLIN EAL HEPR 37



Applications

ENVIROLIN EAL HEPR 37 is designed for all hydraulic systems in mobile machinery or stationary equipment requiring an environmentally friendly fluid.

It is certified for biodegradability, low toxicity, and non-bioaccumulation.

This fluid is particularly recommended for excavators, offshore and port cranes, mobile cranes; as well as for all heavy machinery in the mining, construction/excavation, dredging, marine, tunneling, agricultural, forestry and drilling sectors.

When replacing non-biodegradable hydraulic oils with biodegradable fluids, it is essential to follow ISO 15380 guidelines and the manufacturer's recommendations.

ENVIROLIN EAL HEPR 37 biodegradable synthetic hydraulic fluid is ideal for extended maintenance intervals (long service life) and is fully compatible and miscible with mineral oil-based hydraulic oils.

For replacements of biodegradable fluids of categories HEES, HETG and HEPG, please contact your ENVIROLIN representative.



Properties

	Test	Values		Test	Values		Test	Values
Color		Blue	Viscosity at 100 °C	ASTM D445	8,2 mm ² /s	TOST 95 °C	ASTM D943	> 8000 hours
Density at 15°C		0,844g/cm ³	Viscosity Index	ASTM D2270	200	Deaeration	ASTM D3427	3,30 min
Viscosity at -30 °C	ASTM D445	< 2,720 mm ² /s	Pour Point	ASTM D97	-40 °C	Biodegradability	OECD 301-B 28 days	> 60 %
Viscosity at -20 °C	ASTM D445	852 mm ² /s	Flash Point	DIN EN ISO 2592	> 200 °C			
Viscosity at 40 °C	ASTM D445	37,3 mm ² /s	FZG Test	DIN 51354	> 12 (charge level)			

“ **CertiBio :**
Envirolin Equipment
Certification Program. ”



“ **Certify and protect**
your equipment. ”

CERTIBIO

SERVICES

Reliable certification

- + Machine conversion certification
- + Validation in compliance with international standards
- + Independent of the fluid brand used

Post-conversion monitoring

- + Oil sample analysis: new oil, drained oil, and in-service EAL oil
- + Issuance of a compliance certificate upon successful analysis
- + Corrective actions in case of non-compliance before re-analysis

Expert advice

- + Detailed conversion procedures
- + Connect with CertiBio-certified partners

**Protect :
your equipment,
your investment
and the environment.**



SUPPORT FOR CONVERSION OF MACHINES

COMMITMENTS



Validation in accordance with ISO & ASTM standards: Ensuring an environmentally friendly conversion.



Integrated annual monitoring : Yearly lubricant condition assessment by an independent laboratory. CertiBio ensures ongoing compliance and extends certification.



Technical support : Our engineers provide guidance on conversion procedures and conditions. We ensure continuous compliance and extended certification.



**ENVIROLIN
CANADA**

**LEADER IN
BIODEGRADABLES
OILS AND GREASES**

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