

EcoSia. Outstanding performance just comes naturally.



Environmental Solutions That Work.™

Environmentally responsible products  
from Petro-Canada.

Beyond today's standards.

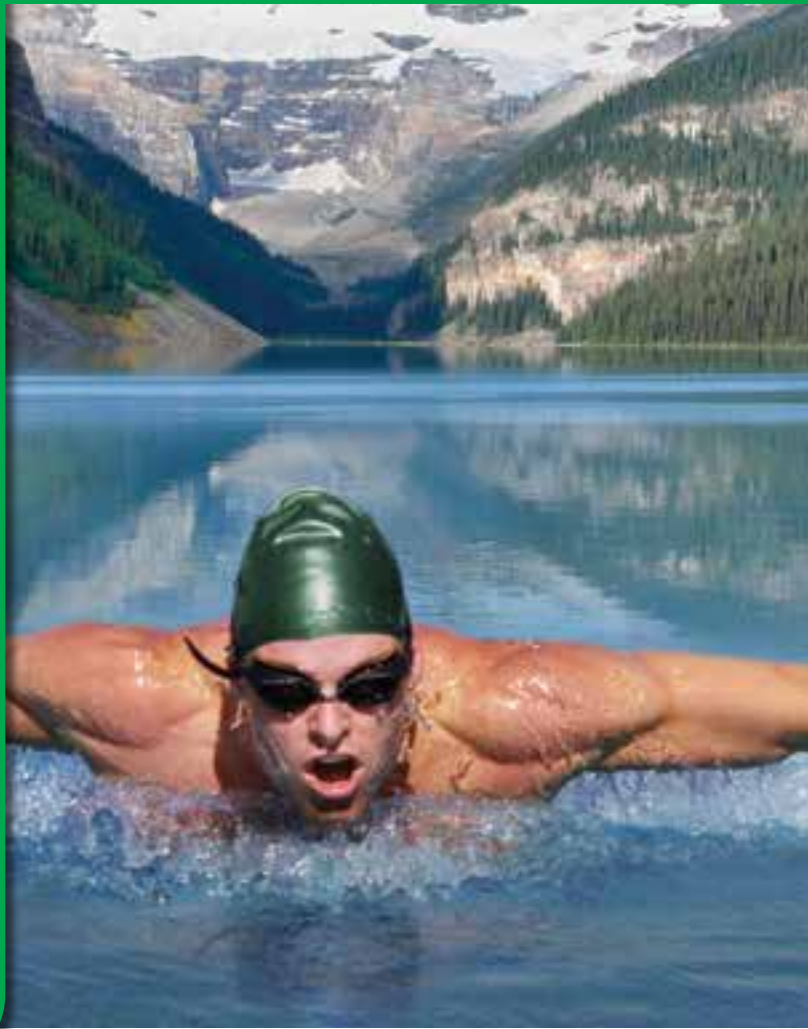


## EcoSia™ – Products that take performance to a higher level.

Whatever the business you're in – whether it's Forestry, Drilling, Agriculture, Food Processing or Construction – Petro-Canada understands our customers' obligations to help reduce the impact to the environment.

EcoSia – our premium performing line of environmentally responsible products – represents Petro-Canada's commitment to developing lubricants and fluids that help reduce environmental impact. In a wide number of industries, our EcoSia branded solutions help our customers meet the increasingly strict environmental guidelines of their industry without sacrificing performance.

That means, with the EcoSia line of products, you can be sure you're using high-performance products that will help reduce your environmental footprint.



Environmental Solutions That Work.™

## Petro-Canada's environmental commitment.

At Petro-Canada, our respect for the environment is built right into the way we do business. We're committed to helping reduce our own environmental impact through contribution to air quality, water conservation, energy efficiency, and waste management.

Petro-Canada Lubricants is ISO 14001 registered. Petro-Canada's Environmental Management System focuses on ways to help reduce impacts on the environment and conserve natural resources.

For more information on Petro-Canada's Environmental Policies, visit: [lubricants.petro-canada.ca](http://lubricants.petro-canada.ca)

## Performance that goes beyond today's standards.

At Petro-Canada, we've always been driven by performance. That's what motivates us to deliver more than 350 innovative lubricants, specialty fluids and greases in a diverse range of industries around the globe. Whatever lubricant challenges you face in your business, we have the Tangible Savings Solutions that help provide enhanced performance and savings.

## It begins with pure base oils.

We've been creating advanced fluids for more than 30 years. Many of the products within the EcoSia line are made from 99.9% pure, crystal-clear base oils – among the purest in the world. That's why our products retain their "fresh oil" properties longer and eliminate the impurities that impact performance.

EcoSia products have been assessed to determine their impact on the environment. Based on the results, EcoSia products meet two criteria:

- Inherently or readily biodegradable based on component or product data obtained using the Organisation for Economic Cooperation and Development (OECD) 301B testing guideline, or OECD 306 testing guideline (Biodegradability in Seawater).<sup>†</sup>
- Not environmentally toxic based on the United Nations Globally Harmonized System (GHS) criteria.<sup>††</sup>



<sup>†</sup>Readily biodegradable is defined as rapid and complete mineralization of the substance, with more than 60% of the product biodegrading within 28 days (OECD 301B or OECD 306). Inherently biodegradable is defined based on the results of OECD 301B biodegradability studies where more than 20% and less than 60% of the substance biodegraded within 28 days.

<sup>††</sup>Not acutely toxic to fish, daphnia or algae according to the United Nations Globally Harmonized System (GHS) criteria.





# A growing commitment to the environment.

EcoSia products cover a wide range of industries and applications, including hydraulic fluids, food grade lubricants, compressor fluids, drilling fluids and dust suppressant fluids.



## ENVIRON™ Hydraulic Oil

A tough-performing hydraulic fluid that lasts up to 8 times longer than competitive vegetable-based and conventional hydraulic oils. ENVIRON can be recycled and reclaimed, unlike vegetable oil-based products which must be incinerated or land farmed.



## PURITY™ FG Food Grade Lubricants

Designed to help deliver the productivity benefits you need throughout your food processing plant. Fitting perfectly with HACCP/GMP plans, PURITY FG is NSF registered, is acceptable for use in food processing facilities in Canada, and has Kosher, Pareve and Halal registrations.



## Dust Suppressant Fluid

Dust Suppressant Fluid helps reduce dust on roads, fields, vehicles and numerous industrial applications. It is especially suited for use in environmentally sensitive areas.



## PUREDRILL™ Drilling Mud Base Fluids

PUREDRILL drilling mud base fluids are clear like water. These environmentally responsible products help deliver excellent drilling performance, both on and offshore, in the toughest environments.

### Premium Eco Hydraulic Oils

Designed for use in mobile and stationary hydraulic equipment using vane-, piston- and gear-type pumps. Premium Eco hydraulic oils help provide reliable performance through a wide range of temperature extremes.



### Synthetic Coating Fluid

A synthetic isoparaffin fluid composed of saturated hydrocarbons for coating applications. Compared to competitive process oils, Synthetic Coating Fluid is made up of 99.9% pure hydrocarbon mixtures that are clear and have very low toxicity.



### LUMINOL™ Electrical Insulating Fluids

LUMINOL synthetic isoparaffin fluids are designed to withstand the harsh conditions endured by transformers better than conventional naphthenic oils, which can help provide extended service life. LUMINOL does not contain harmful, corrosive sulfur and is virtually free of carcinogenic polynuclear aromatics (PNAs).



### PETROGLIDE™ 100 and 150 Saw Guide Oils

PETROGLIDE premium quality saw guide oils offer exceptional performance to enhance sawmill productivity. PETROGLIDE shares the sawmill industry's concerns for the environment by manufacturing its products in an ISO 14001 registered plant.



### COMPRO™ Air Compressor Fluids

COMPRO air compressor fluids are ashless and formulated to provide long and highly reliable service life in industrial air compressor applications. COMPRO helps deliver excellent oxidative stability and strong resistance to sludge and varnish formation, which can reduce overall compressor maintenance costs.



### HYDREX™ MV Arctic 15 Hydraulic Oil

High performance fluid designed for environmentally sensitive arctic operations. HYDREX MV Arctic is biodegradable and recommended for use in arctic climates, allowing hydraulic systems to start at temperatures of -45°C/-49°F under no load conditions.



### REFLO™ Refrigeration Compressor Fluids

For refrigeration systems, REFLO 68A and REFLO 46A Ammonia Oils help provide exceptional performance even at extreme low temperatures. With proper maintenance procedures, REFLO can result in reduced oil carry over and lower fluid consumption.



### CALFLO™ Heat Transfer Fluids

Delivers top performance over a wide temperature range in non-pressurized, liquid phase, closed heat transfer systems. CALFLO is specially formulated to meet the performance, environmental and workplace health and safety needs of a wide range of processing applications.



For more information on the product grades within the EcoSia line-up, refer to page 6.

For more technical or product information, please visit [lubricants.petro-canada.ca/ecosia](http://lubricants.petro-canada.ca/ecosia) or contact Petro-Canada Lubricants directly.



PRODUCT	GRADES	BIODEGRADABILITY	NOT ENVIRONMENTALLY TOXIC
CALFLO™ HEAT TRANSFER FLUIDS	AF, HTF, LT	Inherently Biodegradable	✓
COMPRO™ COMPRESSOR FLUIDS	32, 68, 100, 150	Inherently Biodegradable	✓
	XL-S Compressor Fluid 32, 46, 68, 100, 150	Inherently Biodegradable	✓
DUST SUPPRESSANT FLUID	65	Readily Biodegradable	✓
ENVIRON™ HYDRAULIC OIL	AW 32, 46, 68	Inherently Biodegradable	✓
	MV 32, 46	Inherently Biodegradable	✓
HYDREX™ HYDRAULIC OIL	MV Arctic 15	Inherently Biodegradable	✓
LUMINOL™ ELECTRICAL INSULATING FLUIDS	TR, TRi (Inhibited)	Inherently Biodegradable	✓
PETROGLIDE™ SAW GUIDE OILS	100, 150	Inherently Biodegradable	✓
PREMIUM ECO HYDRAULIC OILS	36, 46	Inherently Biodegradable	✓
	Premium Eco HT-E 32	Readily Biodegradable	✓
	Premium Eco HT-E 46	Readily Biodegradable	✓
PUREDRILL™ DRILLING MUD BASE FLUIDS	Fracing Fluid, HT-30, HT-40, HT-45	Inherently Biodegradable	✓
	IA-35, IA-35LV	Readily Biodegradable	✓
PURITY™ FG FOOD GRADE LUBRICANTS	AW Hydraulic Fluids 32	Inherently Biodegradable	✓
	AW Hydraulic Fluids 46	Inherently Biodegradable	✓
	AW Hydraulic Fluids 68	Inherently Biodegradable	✓
	AW Hydraulic Fluids 100	Inherently Biodegradable	✓
	Chain Oil Light	Inherently Biodegradable	✓
	Compressor Fluid 32, 46, 68, 100	Inherently Biodegradable	✓
	EP 100 Gear Fluid	Inherently Biodegradable	✓
	EP 150 Gear Fluid	Inherently Biodegradable	✓
	EP 220 Gear Fluid	Inherently Biodegradable	✓
	Heat Transfer Fluid	Inherently Biodegradable	✓
	Aerosol Spray	Inherently Biodegradable	✓
	Trolley Fluid 46	Inherently Biodegradable	✓
	White Mineral Oil 15	Readily Biodegradable	✓
	White Mineral Oil 35, 68, 90	Inherently Biodegradable	✓
REFLO™ REFRIGERATION COMPRESSOR FLUIDS	46A Ammonia Oil, 68A Ammonia Oil	Inherently Biodegradable	✓
SYNTHETIC COATING FLUIDS	Synthetic Coating Fluid	Inherently Biodegradable	✓
	Synthetic Coating Fluid LV	Readily Biodegradable	✓
AGRICULTURAL OIL	Ag 7050	Inherently Biodegradable	✓

**Readily biodegradable** is defined as rapid and complete mineralization of the substance, with more than 60% of the product biodegrading within 28 days (OECD 301B or OECD 306).

**Inherently biodegradable** is defined based on the results of OECD 301B biodegradability studies where more than 20% and less than 60% of the substance biodegraded within 28 days.

**Not Environmentally Toxic** is defined as not acutely toxic to fish, daphnia or algae according to the United Nations Globally Harmonized System (GHS) criteria.



Environmental Solutions That Work.™

## EcoSia – Delivering Tangible Savings Solutions.

Petro-Canada's environmentally responsible products can help to maximize equipment performance and productivity – whatever business you're in. Our products help deliver Tangible Savings Solutions for our customers – measurable results that help protect equipment, reduce downtime and save you money.



Call us.

And change the way you work.

EcoSia products can help to reduce your environmental footprint, without sacrificing the performance you need to get the job done.

Contact Petro-Canada Lubricants today to find out more about the EcoSia line of products – Environmental Solutions that Work.

[lubricants.petro-canada.ca/ecosia](http://lubricants.petro-canada.ca/ecosia)



## Our No-Nonsense Lubricants Warranty

“We will repair damaged equipment, or replace damaged equipment parts resulting from a failure due to defects of the Petro-Canada lubricant, as long as the lubricant is used in accordance with your equipment manufacturer’s and our recommendations.”

**It’s more than just a Warranty. It’s a commitment.**



## Our business is keeping your business going.

To place an order, please call a Customer Order Management Representative at:



- Canada** (English) ..... Phone 1-800-268-5850
- (French) ..... Phone 1-800-576-1686
- United States**..... Phone 1-877-730-2369
- Latin America**..... Phone +1-416-730-2369
- Europe**..... Phone +1-416-730-2389
- Asia** ..... Phone +1-416-730-2372
- China** ..... Phone +86 (21) 6362-0066

**You can also e-mail us at** [lubecsr@suncor.com](mailto:lubecsr@suncor.com)

To learn more about how Petro-Canada lubricants, specialty fluids, oils and greases can help maximize your equipment performance, savings and productivity, please contact us at:

- North America**..... Phone 1-866-335-3369
- Europe**..... Phone +44 (0) 121-781-7264
- Germany** ..... Phone +49 (0) 201-726-2913
- Latin America**..... Phone +1-416-730-2369
- Asia** ..... Phone +1-416-730-2372
- China** ..... Phone +86 (21) 6362-0066
- E-mail**..... [sales@suncor.com](mailto:sales@suncor.com)

**Visit us on the web at** [lubricants.petro-canada.ca](http://lubricants.petro-canada.ca)

