



## TECHNICAL DATA SHEET

# G-Oil 2-Cycle “Bio-Based Synthetic” Green Engine Oil

### Product Description

G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is a high performance Universal 2-cycle engine oil made from American grown base oils to provide the ultimate protection for your garden equipment, chain saws, motorcycles, snowmobiles and other fuel lubricated or fuel injected 2-cycle engines. G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is composed of highly polar natural esters with a detergent additive.

G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is designed to protect the environment from smoke and harmful emissions while providing superior protection (even at high temperature and high loads) against piston scuffing. G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is Ultimate Biodegradable, the highest biodegradability ranking as determined by OECD 301 D method and environmentally safe. G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is the Green alternative for all 2-stroke engines.

### Benefits

- Exceeds USDA’s minimum biobased content (greater than 34%)
- Ultimate Biodegradable (greater than or equal to 60% in 28 days)
- Excellent solubility and detergency power
- No smoke and low ash content
- High temperature protection
- Anti-wear and anti-oxidant characteristic base stock aids outstanding thermal and oxidative stability
- Protects against deposits and ring sticking
- Protects bearings and pistons from wear and scuffing
- May be used with E-10 fuels
- Dyed green for easy identification in the fuel.
- Bottles are made from recyclable HDPE #2 plastic and the labels are printed with water based inks on recyclable paper

### Applications

G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil is recommended for all air-cooled, 2-stroke engines used in chain saws, weed wackers, air blowers, lawn mowers, motorcycles, snowmobiles and small generators. It may be used in any application that requires API service TC and JASO FC specifications.

## Specifications and Approvals

G-OIL™ 2-Cycle Bio-Based Synthetic Green Engine Oil meets or exceeds:

- API TC
- JASO FC
- Approved and recommended by Homelite and Ryobi Engine Manufacturers

## Health & Safety

This product contains no hazardous components under OSHA definition. Not classified as hazardous to humans or dangerous to the environment. Simply wash with soap and water after handling. Health & Safety information is printed in the MSDS sheet which can be obtained from your G-Oil representative or at [www.getg.com](http://www.getg.com) website. This product should not be used for purposes other than its intended use. Although G-Oil is Ultimate Biodegradable, please return the used oil to collection centers for recycling.

## Typical Properties

Test Type	Test Method	Test Results
Density	ASTM D 4052	0.8731
Viscosity @ 40°C, cSt	ASTM D 445	45.7
Viscosity @ 100°C, cSt	ASTM D 445	11.09
Viscosity Index	ASTM D 2270	246
Flash Point, °C (°F)	ASTM D 92	184 (363)
Pour Point, °C (°F)	ASTM D 97	-24 (-11)
TBN, mg KOH/g	ASTM D 2896	1.9
Sulfated Ash, mass %	ASTM D 874	0.15
Biobased Content, %	ASTM D 6866	43
Biodegradability, %	OECD 301 D	>60

## Recommended Fuel/Oil Mixing Ratio

Ratio Fuel:Oil	Ounces of Oil	Gallons of Gasoline
50:1	2.6	1
40:1	3.2	1
32:1	4	1
16:1	8	1

Variable Ratio Oil injection system: No premix required

## BE SURE TO MIX GASOLINE AND OIL THOROUGHLY

MSDS is available upon request through GET Sales or via the Internet. Typical Properties may vary slightly. Due to continual product R&D, information contained herein may change without notification.



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