



LowCarb Base Fluids

ReOil LowCarb Base Fluid is an excellent option for environmentally conscious individuals and companies who are committed to lowering their carbon footprint (improving their ecological handprint) without compromising performance.

This hybrid base fluid is a healthier option for your business and the environment, as it offers an alternative to virgin fossil derived fluids. A low “carbs” fluid diet for your end products, through the tailored use of high performance Renewable and Re-Refined options, presents a meaningful step towards a more responsible lifestyle.

ReOil LowCarb Base Fluid is suitable for use in lubricant blending and various processing oil applications. Some lubricant formulations may include automotive transmission oils (eg ATF Syn LV and Multi), low viscosity engine oils (eg 5W-30 and 10W-30), as well as various industrial applications (eg hydraulic, gear and HTF).

When choosing your **bespoke** LowCarb Base Fluid, a compromise between kgCO₂e, specification and cost should be considered.



Key benefits

- + High performance
- + Decarbonising solution
- + Bespoke Hybrid Ecofriendly steppingstone
- + Suitable for various applications
- + Suitable for re-refining

Eco-Friendly Credentials

ReOil LowCarb is designed to reduce your Ecological impact with every litre used in your end product, and to complement indirect strategies such as carbon credits and reduced emissions from low viscosity lubricants.

SPECIFICATION	TEST METHOD	UNIT	LowCarb 4	LowCarb 5
Density @ 15°C	ASTM D4052	kg/L	0.841	0.844
Colour	ASTM D1500		0.5	0.5
Kinematic Viscosity @ 40°C	ASTM D445	cSt	21.55	25.40
Kinematic Viscosity @ 100°C	ASTM D445	cSt	4.47	4.95
Viscosity Index	ASTM D611	°C	121	122
Flash Point, COC	ASTM D92	°C	220	220
Pour Point	ASTM D97	°C	-12	-12
CCS @ -30°C	ASTM D5293	mPa-s	1,900	2,800
NOACK volatility	ASTM D5800 Proc. B	wt%	15	13.4
Sulphur	ASTM D4294	ppm	<150	<150
Saturates	ASTM D7419	%	>95	>95
Carbon reduction	Theoretical*	%	>80	>80

* Calculated from LCA's supplied by GEIR (<https://www.geir-rerefining.org/ifeu-study-summary/>) and other industry / manufacturer documentation.

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