



BIO-BASE 10 15 22

Renewable Base Fluids

The BIO-BASE series are renewable low viscosity base fluids with properties similar to fossil naphthenics. The products have very high solubility for additives but also extremely high VI. No viscosity modifiers or pour point depressants have been added. Despite the low aniline point BIO-BASE contain no aromatics.

Technical Data (typical values)

Parameter		Method	BIO-BASE 10	BIO-BASE 15	BIO-BASE 22
Kinematic Viscosity	40°C (mm ² /s)	EN ISO 3104	10	15	21
	100°C (mm ² /s)	EN ISO 3104	3.2	4.4	5.7
Viscosity Index		ASTM D2270	207	235	240
Density 15°C (kg/m ³)		ASTM D4052	813	820	830
Pour Point (°C)		ASTM D5950	-30	-40	-40
Flashpoint (°C)		ASTM D93	145	145	145
Aniline point (°C)		ASTM D611	88	84	78
Oxidation Stability ¹		ASTM D2272	147	145	133
Biobased Carbon (%) ²		ASTM D6866	99	99	99
Product carbon footprint (PCF) ³		kg CO ₂ /kg	-3.1	-3.7	-4.2

Environment & Safety

BIO-BASE 22 is unlabeled, BIO-BASE 10 & 15 carries hazard statement H304 (see MSDS). All components are readily biodegradable according to OECD 301B. Fully REACH-compliant products.

Product Composition & Manufacturing

Unique combination of renewable hydrocarbons and fatty acid derived materials. Miscible with Group I, II, III mineral oils and most esters

Developed and manufactured by Biobase Sweden AB. Bio-based products according to EN 16575:2014.

Packaging/Delivery

208L Drum, 1000L IBC, BULK

CN-number 3403 19 20
(excise duty free)

¹ As a comparison naphthenic mineral oils of similar aniline point give results in the range 130-140 min.

² Test method maximum total error: ±3 %

³ Cradle to gate