PRODUCT INFORMATION

Bio100 HVO Diesel

Characteristics

Bio100 HVO Diesel is part of the solution of the transport sector for combatting climate change. Bio100 HVO Diesel is made from 100% renewable materials and results in up to 90% lower greenhouse gas emissions when compared to traditional fossil diesel. Emission of fine particles and nitrogen oxides (NOx) in the engine exhaust is considerably lower when using Bio100 HVO Diesel, a welcomed effect especially in urban environments. Studies shows that the level of fine particulates is reduced by up to 33%, while harmful gas emmisions (CO, NOx, CH) are reduced with 9-30%.
Besides these benefits, Bio100 HVO Diesel offers excellent technical characteristics. Cold properties are superior and the ignition quality is extremely high. This means easier cold starts, lower levels of vibrations from the engine, faster accelerator responds, and less smoke.
Bio100 HVO Diesel complies with the standard EN15940, the current standard norm for synthetic diesels in Europe. The fuel compatible with most newer trucks and busses. If in doubt please contact your supplier who can inform you if synthetic diesel is approved for your vehicle.
Also in agriculture, building and construction Bio100 HVO Diesel is a green alternative for diesel machinery. Bio100HVO complies with the U.S. diesel specification ASTM D 975-2D. However, until the new standard is fully implemented we recommend users to contact the engine supplier for approval prior to use.

Revised : March 10, 2021

Property		**Value**	**Method**
Ash wt-%	Max.	0,01	EN ISO 6245
Calorific value lower, kJ/kcal pr kg	Typical	43500/10400	Calculated
Cetane number	Min.	70	EN ISO 5165
Cold Filter Plugging Point. CFPP °C			EN 116
Winter	Max.	- 25	
Summer	Max.	- 15	
Cloud point °C			EN 23015
Winter	Max.	- 25	
Summer	Max.	- 15	
Carbon,residue wt-%	Max.	0,30	EN ISO 10370
Density at 15°C g/ml	Typical	0,780	EN ISO 3675
FAME content		Not added	
Flash Point, °C	Min.	61	ASTM D 93
Sulphur ppm	Max.	5	EN ISO 20846
Water content, ppm	Max	200	EN ISO 12937
Viscosity at 40°C mm^2/s (cSt)	Typical	3	EN ISO 3104
95% recovered at °C	Max.	360	EN ISO 3405
Lubricity, my	Max.	460	EN ISO 12156-1