

Intertek Caleb Brett

As per some Xbee users' request, it has been decided to compare a Diester biodiesel to the same biodiesel treated with Xbee enzyme biotechnology at a ratio of 4000:1.

Certification



www.afaq.org

ISO 9001:2000



www.iso.org

Accreditation



www.cofrac.fr

(Program 73 and 74)
NF EN ISO/CEI 17025

Tests	Methods	Results		Units	Limits
		w/o aft. 1 mo.	w/aft. 1 mo.		
Density at 15°C	NF EN ISO 12185	0.8509	0.8509	Kg/L	0.820-0.845
Distillation	NF EN ISO 3405			-	
Condensed at 250°C	NF EN ISO 3405	21.4	21.9	% (v/v)	65 max
Condensed at 350°C	NF EN ISO 3405	97.8	97.8	% (v/v)	85 mini
Condensed 95% Point	NF EN ISO 3405	343.7	343.6	°C	360 max
Viscosity at 40°C	NF EN ISO 3104	3.143	3.122	cSt	2.00-4.50
Sulfur	NF EN ISO 20846	28.2	28.7	mg/kg	50.0 max
Water Content	NF EN ISO 12937	169	175	mg/kg	200 max
Tot. Contamination	NF EN 12662	12	7	mg/kg	24 max
Cinders	NF EN ISO 6245	< 0.01	< 0.01	% (m/m)	0.01 max
Cetane number	NF EN ISO 5165	51.7	51.8	N/A	51.0 min
Cetane index	NF EN ISO 4264	52.3	52.0	N/A	46.0 min
Carbon residue	NF EN ISO 10370	0.04	0.03	% (m/m)	0.30 max
Copper Corrosion	NF EN ISO 2160	1a	1a	N/A	1b max
Oxidation stability	NF EN ISO 12205	3	3	g/m3	25 max
Flash point	NF EN ISO 2719	67	68	°C	55 min
Lubricity (HFRR) at 60°C	NF EN ISO 12156-1	221	229	µm	460 max
Pour point	NF EN 23015	-6	-6	°C	+ 5 max
CFPP	NF EN 116	-16	-17	°C	0 max
PCA	NF EN 12916	12.7	12.7	% (m/m)	11 max
Electrical conductivity at 20°C	ISO 6297	1270	1290	pS/m	150 min
FAME content	NF EN 14078	29.3	29.5	% (v/v)	30.0 max
PCI	ASTM D240	41.34	41.12	MK/KG	report

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Christophe Perrot
Centre routier
F-76700 Gonfreville l'Orcher

+33 (0)2 35 53 33 55
christophe.perrot@intertek.com
<http://www.intertek-cb.com>