

Intertek Caleb Brett

As per some Xbee users' request, it has been decided to compare a standard diesel in compliance with the norm EN590 to the same diesel treated with Xbee enzyme biotechnology at a ratio of 4000:1.

Certification



www.afaq.org

ISO 9001:2000



www.iso.org

Accreditation



Tests	Methods	Results			Units	Limits
		w/o	w/laf. 1 mo.	w/laf. 6 mo.		
Density at 15°C	NF EN ISO 12185	0.8382	0.8379	0.8376	Kg/L	0.820-0.845
Distillation	NF EN ISO 3405				-	
Condensed at 250°C	NF EN ISO 3405	38.9	37.1	37.3	% (v/v)	65 max
Condensed at 350°C	NF EN ISO 3405	94.9	92.8	93.2	% (v/v)	85 mini
Condensed 95% Point	NF EN ISO 3405	350.1	358.9	357.8	°C	360 max
Viscosity at 40°C	NF EN ISO 3104	2.716	2.710	2.698	cSt	2.00-4.50
Sulfur	NF EN ISO 20846	42.0	42.0	43.1	mg/kg	50.0 max
Water Content	NF EN ISO 12937	72	72	70	mg/kg	200 max
Tot. Contamination	NF EN 12662	3	3	3	mg/kg	24 max
Cinders	NF EN ISO 6245	< 0.01	< 0.01	<0.01	% (m/m)	0.01 max
Cetane number	NF EN ISO 5165	51.7	52.1	51.5	N/A	51.0 min
Cetane index	NF EN ISO 4264	50.5	51.3	51.3	N/A	46.0 min
Carbon residue	NF EN ISO 10370	< 0.01	< 0.01	<0.01	% (m/m)	0.30 max
Copper Corrosion	NF EN ISO 2160	1a	1a	1a	N/A	1b max
Oxidation stability	NF EN ISO 12205	2	1	1	g/m3	25 max
Flash point	NF EN ISO 2719	65	65	66.0	°C	55 min
Lubricity (HFRR) at 60°C	NF EN ISO 12156-1	322	358	342	µm	460 max
Pour point	NF EN 23015	-6	-6	-6	°C	+ 5 max
CFPP	NF EN 116	-7	-7	-7	°C	0 max
PCA	NF EN 12916	2.8	2.8	3.3	% (m/m)	11 max
Electrical conductivity at 20°C	ISO 6297	530	528	500	pS/m	150 min
FAME content	NF EN 14078	0.12	0.11	0.09	% (v/v)	5.0 max
Bacterial test	NF M 07070	absence	absence	absence	-	-

Intertek OCA France

Julien Hernandez

Parc Eco Normandie

F-76430 Saint-Romain-de-Colbosc

+33 (0)2 35 13 41 06

srclab@intertek.com

