

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



www.cofrac.fr

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

Tests	Methods	Results		Units	Limites
		W/o Xbee	W/Xbee +15 days		
Density at 15°C	NF EN ISO 12185	834.9	834.9	Kg/L	0.820-0.845
Distillation	NF EN ISO 3405	164.4	169.6	-	°C
Condensed at 250°C	NF EN ISO 3405	38.7	37.0	% (v/v)	65 max
Condensed at 350°C	NF EN ISO 3405	95.0	93.8	% (v/v)	85 mini
Condensed 95% Point	NF EN ISO 3405	349.9	355.5	°C	360 max
Viscosity at 40°C	NF EN ISO 3104	2.625	2.635	cSt	2.00-4.50
Sulfur	NF EN ISO 20846	9.2	9.0	mg/kg	10.0 max
Water content	NF EN ISO 12937	80	70	mg/kg	200 max
Tot. Contamination	NF EN 12662	< 12.0	< 12.0	mg/kg	24 max
Ash	NF EN ISO 6245	< 0.001	< 0.001	% (m/m)	0.01 max
Cetane number	NF EN ISO 5165	51.0	54.6	N/A	51.0 min
Cetane index	NF EN ISO 4264	51.8	52.6	N/A	46.0 min
Carbon Residue	NF EN ISO 10370	< 0.10	< 0.10	% (m/m)	0.30 max
Copper Corrosion	NF EN ISO 2160	1a	1a	N/A	1b max
Potential sediments	NF EN ISO 12205	2	1	g/m3	25 max
Flash Point	NF EN ISO 2719	61.5	61.0	°C	55 min
Lubricity (HFRR) at 60°C	NF EN ISO 12156-1	330	202	µm	460 max
Cloud Point	NF EN 23015	-6	-5	°C	-5 max
CFPP	NF EN 116	-19	-18	°C	-15 max
PCA	NF EN 12916	2.5	2.7	% (m/m)	8 max
Rancimat Oxydation	NF EN 15751	20.0	20.0	h	-
FAME Content	NF EN 14078	7.0	6.1	% (v/v)	7.0 max
Initial / Final Humidity	NF EN ISO 12156-1	47.6 / 36.3	33.3 / 37.5	%	-

Intertek OCA France

Julien Hernandez
Parc Eco Normandie
F-76430 Saint-Romain-de-Colbosc

+33 (0)2 35 13 41 06

srclab@intertek.com

