

ANALYSEVERSLAG

Rapport : 65 blz. 1

TOTAL RAFFINADERIJ ANTWERPEN

Scheldelaan 16, Heating gasoil 50 ppm
B-2030 Antwerpen

Datum : 07/11/17

Uur : 18:23

Vervoermiddel : BELLATOR
Order : 396759
Bestemming : Ets. R. JoassinLabo nr. : 464794
Tank : 347
Product : G3VLS

ASTM D.4052	Density at 15 C	0,8370	kg/l
Visual	haziness at 20°C	PASS	
ASTM D.2624	Electrical Conductivity	284	pS/m
ASTM D.2624	Electr. Cond., temperature	15	C
ASTM D.93	Flash point, Pensky-Martens	56,5	C
ASTM D.5453	Total sulphur	5,9	ppm wt
ASTM D.86	Recovered at 250 C	37,1	% vol.
ASTM D.86	Recovered at 350 C	91,9	% vol.
ASTM D.86	recovered at 360 C	94,9	% vol.
ASTM D.1500	ASTM Colour	0,5	
ASTM D.130	Corrosion	1A	
DIN 51419	Particulate matter	1	mg/kg
ASTM D.4530	Conradson Carbon Residue	< 0.30	% wt
ISO 12156-1	Wear scar	352	µm
ASTM D.2500	Cloud Point	-2	C
I.P.309	Cold Filter Plugging Point	-18	C
ASTM D.6304	Water content	66	ppm wt
ASTM D.445	Viscosity at 20 C	3,996	cSt
ASTM D.4868	Calorific Value, gross	45,753	MJ/kg

In opdracht van de hoofdscheikundige: Tim Engelen

Ondergetekende bevestigt, dat dit analyseverslag identiek is met het door de verantwoordelijke scheikundige ondertekende origineel, dat zich bevindt in het Laboratorium van de Raffinaderij.

Total Raffinaderij Antwerpen N.V.
Scheldelaan 16 - 2030 Antwerpen
Tel. +32 (0) 3/545.50.11
BTW 404.586.901

ExxonMobil

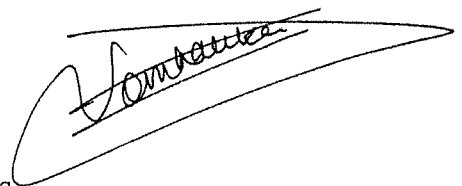
QUALITY CERTIFICATE

TANK/BATCH NR : BMS501/1866
PRODUCT NAME : ULSHO .005%S DYED GASOIL :BE
TRANSPORT : CANTHARIDA
DATE & TIME : 27MAY17/11:51
SAP REFERENCE : 1068538908
LOADING REFERENCE : P17051022

THE FOLLOWING RESULTS ARE BASED ON LAB ANALYSES OF OUR TANK

<u>TEST</u>	<u>METHOD</u>	<u>RESULT</u>	<u>UNITS</u>
appearance	EC-A-A01	B/C	-
cfpp Sampled according to EN ISO 3170	EN116	-28	DEGC
Cloud + CFPP	CALCUL	-35	DEGC
cetane index tm976	ASTM 976	53.3	-
cetane index EN4264	EN 4264	53.0	-
cloud point	ASTM5771	-7	DEGC
color visual	VISUAL	RED	-
cu cor 3 hrs/50 oC in pressure vessel	ASTM 130	1A	-
conductivity	ASTM2624	220	PS/M
temp.cond.measured	ASTM2624	22	DEGC
dens@15 Sampled according to EN ISO 3170	EN 12185	834.5	KG/M3
flash pm	ASTM D93	65.0	DEGC
h2o by kf	EN 12937	60	MG/KG
heat of combustion	DIN51900	45.8	MJ/KG
rec at 250 0c	ASTM D86	34.9	VOLPCT
rec at 350 0c	ASTM D86	95.3	VOLPCT
sulphur in diesel: UV fluorescence	ISO20846	14.0	MG/KG
viscosity at 20 c	ASTM 445	4.294	MM2/S
Lubricity	EN 12156	230	MICRON

Laboratory Section Head SIGNATURE



Issued on behalf of Lab Section HEAD by: JAN PASCALE BEVERS

Esso guarantees that the delivered product meets the agreed quality.

1. Tests conducted according to International Standard Test Methods are routinely verified to be in compliance with the latest published versions. Minor changes may be made where they have no material impact on test results and are necessitated by reasons such as safety, environmental standards and method effectiveness.
2. Some quality properties are tested only periodically and are not reflected on this document; this does not affect the above mentioned guarantee.
3. Some test results may have been generated by external laboratories, details are available on request.
4. Some test results may have been generated by use of on-stream analyzers. In such cases, proper management systems ensuring equivalence with the results obtained by the quoted test method is in place. Details are available on request.