



ITS Testing Services (UK) Ltd  
Caleb Brett House  
734 London Road  
West Thurrock  
Essex  
RM20 3NL

Your Ref. :

Date : 16-Aug-13

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## Interim Laboratory Test Report No. 13-004227-0-WTHU

Intertek Oil, Chemical & Agri  
Caleb Brett  
734 London Road  
West Thurrock  
Grays Essex  
RM20 3NL

**FOR THE ATTENTION OF** : Intertek Oil, Chemical & Agri - West Thurrock - Rosendo Mejica

**SAMPLE DETAILS** : 2 Samples received on 09-Aug-13

**COMMENTS** :

Most of the results are out of method scopes and should be used and an indication only.

<b><u>DESCRIPTION</u></b>	:	<b><u>LAB REF.</u></b>
Light oil derived from tyres	:	001-00
Heavy oil derived from tyres	:	002-00

**CONTAINERS** :

**RESULTS** : SEE ATTACHED SHEET

(TOTAL NUMBER OF PAGES 2)

Tests marked with ^ or ^^ in this report were subcontracted to a laboratory that runs (^) or does not run (^^) a management system that meets ISO 17025

Tests marked with an asterisk(\*) in this report are not included in the UKAS accreditation schedule for our laboratory.

Reported by: \_\_\_\_\_

Results are subject to confirmation on completion of the final report.

<b>Test</b>		<b>Method</b>	<b>001-00</b>	<b>002-00</b>
Colour		Visual*	Black	Black
Density at 15 oC	kg/m3	EN ISO 12185	887.2	919.0
Cold Filter Plugging Point	°C	EN 116	2	9.3
Sulphur Content	mg/kg	EN ISO 20846	8664	9924
Ash Content at 775 oC	% (m/m)	EN ISO 6245	0.007	0.009
Water	mg/kg	EN ISO 12937	1820	1690
Total Contamination	mg/kg	EN 12662:1998*	216.4	-
Copper Corrosion 3 hrs.at 50 oC		EN ISO 2160	4c	1A
Lubricity	microns	EN ISO 12156-1	249	256
Kinematic Viscosity at 40 oC	mm2/s	EN ISO 3104	2.274	6.605
Oxidation Stability, 110 oC	Hours	EN 15751*	17.7	1.7
I.B.P	°C	ASTM D86	74.2	82.6
5% v rec. at	°C	ASTM D86	84.6	193.8
10% v rec. at	°C	ASTM D86	91.5	177.4
20% v rec. at	°C	ASTM D86	105.4	203.3
30% v rec. at	°C	ASTM D86	127.8	246.8
40% v rec. at	°C	ASTM D86	134.0	285.0
50% v rec. at	°C	ASTM D86	-	310.2
60% v rec. at	°C	ASTM D86	-	325.2
% v rec. at 250 oC	% (v/v)	ASTM D86	-	30.6
Iron	mg/kg	ASTM D5185	3	30
Aluminium	mg/kg	ASTM D5185	<1	<1
Chromium	mg/kg	ASTM D5185	<1	2
Copper	mg/kg	ASTM D5185	<1	<1
Lead	mg/kg	ASTM D5185	<1	<1
Tin	mg/kg	ASTM D5185	3	<1
Silver	mg/kg	ASTM D5185	1	<1
Nickel	mg/kg	ASTM D5185	<1	<1
Vanadium	mg/kg	ASTM D5185	<1	<1
Titanium	mg/kg	ASTM D5185	<1	<1
Cadmium		ASTM D5185	<1	<1
Manganese	mg/kg	ASTM D5185	<1	<1
Molybdenum	mg/kg	ASTM D5185	<1	1
Silicon	mg/kg	ASTM D5185	56	16
Boron	mg/kg	ASTM D5185	1	1
Sodium	mg/kg	ASTM D5185	<1	<1
Barium	mg/kg	ASTM D5185	<1	<1
Calcium	mg/kg	ASTM D5185	<1	<1
Magnesium	mg/kg	ASTM D5185	<1	<1
Phosphorus	mg/kg	ASTM D5185	4	4
Zinc	mg/kg	ASTM D5185	1	12
Gross Calorific Value	MJ/kg	IP 12	43.58	43.42
Flash Point	°C	EN ISO 3679*	<60.0	<60.0
Micro Carbon Residue	% (m/m)	ASTM D4530	0.37	0.58
Fail Blocks a 47mm Diameter Filter After	mls	EN 12662:1998*	-	650