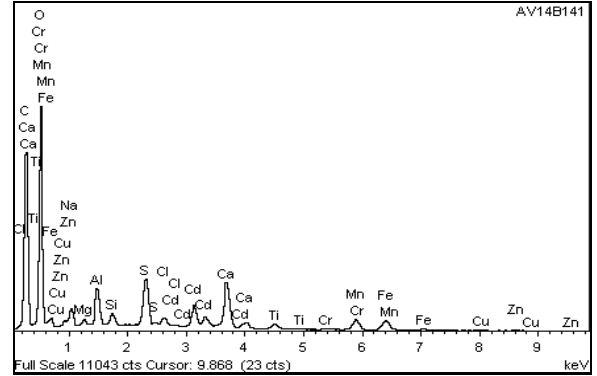
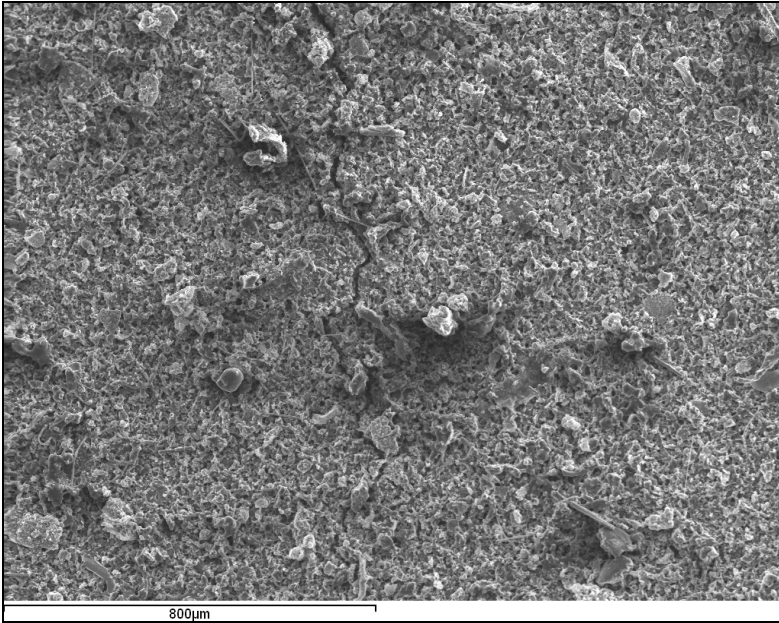




Attn §  
 CC §  
 Company §  
 Address §  
 Tel / Fax / Fax2 §  
 CC §  
 Equip Type / SN §  
 Position § No.2 Engine  
 Description § Fuel Filter - [TSN:1034 CSN:369]

Laboratory Ref AV14B141 (31565)  
 Customer Ref § ---  
 Sample Date § 19 Feb 14  
 Report Date 20 Feb 14  
 Date Received 20 Feb 14  
 Aircraft Reg §  
 Aircraft Type § Falcon - 7X  
 Aircraft SN §  
 Filter Hrs § ---  
 Report Issue 1



**FILTER WEIGHT: 200 milligrams**

Main Constituent	Material (nearest match)	Form	Condition	Size (mm)
<b>MAJOR:</b> Miscellaneous	The dark brown debris was found to typically contain the following, (excluding elements with an atomic number of less than six i.e H, He, Li, Be and B)	---	---	---
	Element	Conc wt%	---	---
	Carbon	37.1	---	---
	Oxygen	47.5	---	---
	Sodium	0.9	---	---
	Magnesium	0.2	---	---
	Aluminium	1.4	---	---
	Silicon	0.4	---	---
	Sulphur	2.1	---	---
	Chlorine	0.4	---	---
	Calcium	2.9	---	---
	Titanium	0.4	---	---
	Chromium	0.1	---	---
	Manganese	1.6	---	---
	Iron	1.6	---	---

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Opinions and interpretations included in this report are outside the scope of UKAS/SAS accreditation. The validity of this report may depend on the accuracy of the sample data supplied. All tests carried out in accordance with in house documented methods. M013 Composition of solid particles using SEM and EDX analysis expressed in % or nearest match. M032 Evaluation of debris content extracted from filter elements. By authority of Richard Medhurst - Quality Officer § Indicate information supplied by customers

APPROVED BY:  
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 SEM Senior Laboratory Technician

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<b>Attn §</b>		<b>Laboratory Ref</b>	AV14B141 (31565)
<b>CC §</b>		<b>Customer Ref §</b>	---
<b>Company §</b>		<b>Sample Date §</b>	19 Feb 14
<b>Address §</b>		<b>Report Date</b>	20 Feb 14
		<b>Date Received</b>	20 Feb 14
<b>Tel / Fax / Fax2 §</b>		<b>Aircraft Reg §</b>	
<b>CC §</b>		<b>Aircraft Type §</b>	Falcon - 7X
<b>Equip Type / SN §</b>		<b>Aircraft SN §</b>	
<b>Position §</b>	No.2 Engine	<b>Filter Hrs §</b>	---
<b>Description §</b>	Fuel Filter - [TSN:1034 CSN:369]	<b>Report Issue</b>	1

Copper	0.3	---	---
Zinc	0.2	---	---
Cadmium	2.9	---	---
Total	100.0	---	---

**MINOR:** --- --- ---

<b>TRACE:</b>	Iron	A low alloy Carbon steel with no significant alloying constituents such as Mild Steel or SAE 1010.	Slivers	Shiny	up to 0.5 x 0.1
	Aluminium	4.4% Copper, 1.5% Magnesium, 0.6% Manganese such as Aluminium alloy type 2024 (e.g. AMS 4119).	Flakes	Shiny	up to 0.3
	Cadmium	Exhibiting the presence of Iron possibly due to rubbing.	Slivers	Shiny	up to 0.6 x 0.1
	Aluminium	5.6% Zinc, 2.5% Magnesium, 1.6% Copper, 0.2% Chromium such as Aluminium alloy type 7075 (e.g. AMS 4124 etc.).	Slivers and machine curls	Shiny	up to 1.3x0.3 and 2.0x0.2 respectively
	Aluminium	7.0% Silicon, 0.5% Magnesium such as Aluminium alloy type 356 or 357 (e.g. AMS 4217 or 4219 etc.).	Slivers	Shiny	up to 1.8 x 0.2

**COMMENT: THIS DARK BROWN DEBRIS HAD A PARTICULATE SIZE OF <0.2MM ACROSS.**