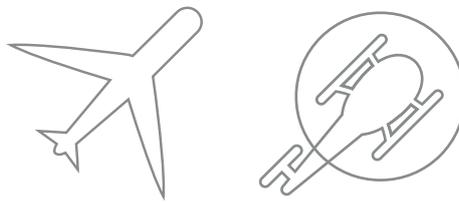


**SPECTRO<sup>®</sup>**  
**JET-CARE<sup>®</sup>**

# webECHO<sup>™</sup>

User Guide for  
Aviation Customers



[spectro-oil.com](http://spectro-oil.com) | [jet-care.com](http://jet-care.com)

# WELCOME TO webECHO™

## GETTING STARTED

To access webECHO visit our website and go to the Log In area on the toolbar in the top right hand corner of the home page or use:

<http://webecho.spectro-oil.com>  
<http://webecho.jet-care.com>

Use the Welcome Page to log in using your allocated username and password OR if you are a **new user** to request a username and password.

## MANAGE | REVIEW | ANALYSE

This guide outlines the main screens and functionality to enable you to manage, review and analyse your results for all our Laboratory Analysis Services as well as our Jet-Care GPA engine trend monitoring programs

## NEW FUNCTIONALITY

We are always looking for ways to improve the system and our 'New Features' button helps to keep you up to date with the latest updates, some of which are listed below:

- Additional functions within the statistics and distributions facilities
- Export raw data to produce your own graphs and distributions
- Set regular laboratory analysis sample intervals and view 'next sample date' to identify when equipment sampling is overdue.
- Upload your own notes and documents to individual equipment records
- Use the 'Watch' function to keep track of individual equipment

# ANALYSIS SUMMARY

After logging in to webECHO the **Analysis Summary** appears, providing you with a breakdown of all the analysis that has been carried out that is applicable to your particular log in.

If you prefer to view a different screen on log in you can use the 'My Account' section to change this setting.

ANALYSIS SUMMARY							
EQUIPMENT (165) [Type a search value] RECENT							
ANALYSIS	OIL	DEBRIS & FILTER	HYDRAULIC FLUID	FUEL	COOLANT	TRANSFORMER	GPA
LAST STATUS BY: Status	UNREAD / ALL	UNREAD / ALL	UNREAD / ALL	UNREAD / ALL	UNREAD / ALL	UNREAD / ALL	UNREAD / ALL
ADVANCED	0 / 0	0 / 0	3 / 3	1 / 1	0 / 0	N/A	1 / 1
EARLY	1 / 1	0 / 0	0 / 0	1 / 1	0 / 0	N/A	2 / 2
NORMAL	92 / 92	0 / 0	0 / 0	1 / 1	0 / 0	N/A	22 / 22
UNDEFINED	0 / 0	39 / 39	0 / 0	0 / 0	2 / 2	N/A	0 / 0

By using the tabs at the top of the **Analysis Summary** you can access the **Dashboard** of the chosen analysis type to view results, information and manage data.

## QUICK FILTER LINKS

Map:

#	Code	Operator	Last Sample	Total Samples	Equipment	0 (0%)	1 (1%)	92 (99%)	0 (0%)
1	JCAPT1	Region A - Oil Analysis	2018-01-02	335	66	0 (0%)	1 (2%)	65 (98%)	0 (0%)
2	JCAPT2	Region D - Oil Analysis	2017-12-01	165	27	0 (0%)	0 (0%)	27 (100%)	0 (0%)

Throughout the system data is displayed with an underline. For example, the headings of tables and data within tables. Click these links to access further information.

# DASHBOARD

The dashboard interface features a top navigation bar with tabs for ANALYSIS SUMMARY, OIL ANALYSIS, DEBRIS & FILTER ANALYSIS, HYDRAULIC FLUID ANALYSIS, FUEL ANALYSIS, COOLANT ANALYSIS, TRANSFORMER ANALYSIS, and GAS PATH ANALYSIS. Below this is a secondary navigation bar with DASHBOARD, OPERATOR, EQUIPMENT, and REPORTING CONTACTS. A third bar contains EQUIPMENT (93), ADD OPERATOR, ADD EQUIPMENT, ADD REPORTING, a search field [Type a search value], and RECENT. The main content area is divided into three columns: STATUS, FIND, and LINKS. The STATUS column shows equipment counts for ADVANCED (0, 0%), EARLY (1, 1%), NORMAL (92, 99%), and UNDEFINED (0, 0%). The FIND column has icons for OPERATOR and EQUIPMENT, and two search filters for Operator Name and Registration. The LINKS column contains icons for LATEST (93), WATCH LIST, MAPS, CATEGORISE, STATISTICS (2Y + 4Z, NEW), PROCESSING, SUBMITTED, DISTRIBUTION, and DATA EXPORT.

The Dashboard provides an overview of the current status of all equipment for the selected analysis type and included a number of different functions that allow you to view data, records, reports and manage your equipment.

## STATUS

A visual summary of the status of all equipment in the selected analysis type e.g. Oil Analysis.

Use the red arrow on the **Equipment Navigator** to open a drop-down list of equipment available for quick access to the latest PDF reports and produce graphs for that piece of equipment.

## FIND

Use the **Operator and Equipment** icons to gain access to the full list of all operators and equipment. The drop down sections allow filtering to any available field and by selecting one from the list will display that record in detail. Alternatively use the blue tabs at the top of the dashboard to access lists of records for a specific analysis type.

## LINKS

Use quick link icons to :

- Access your **Latest results**
- **Categorise** your equipment by current analysis status
- Produce **Distribution graphs**
- Download historic analysis results using the **Data Export** Button.
- Utilise the **Watch** function to track specific pieces of equipment chosen by you.

## SEARCH

Use keywords to **Search** within the current area and view **Recent** saved searches.

# OPERATORS

#	Code	Operator	Last Sample	Total Samples	Equipment	2 (1%)	1 (<1%)	92 (43%)	119 (56%)
1	C83	Example Customer		0	1	0 (0%)	0 (0%)	0 (0%)	1 (100%)
2	K4	Example Customer	2014-11-26	1	1	1 (100%)	0 (0%)	0 (0%)	0 (0%)
3	M511	Example Customer	2017-02-10	1	1	1 (100%)	0 (0%)	0 (0%)	0 (0%)
4	S194	Example Customer		0	2	0 (0%)	0 (0%)	0 (0%)	2 (100%)
5	JCAPT1	Region A - Oil Analysis	2017-02-10	335	179	0 (0%)	1 (1%)	65 (36%)	113 (63%)
6	JCAPT2	Region D - Oil Analysis	2017-02-10	165	30	0 (0%)	0 (0%)	27 (90%)	3 (10%)

View the list of operators for the selected analysis type by choosing the **Operator** tab or using the **Operator** icon on the **Dashboard**.

The list indicates the quantity of records applicable to each operator and shows the current status and number of equipment applicable to each operator.

# EQUIPMENT

#	Operator	Registration	Description	Serial	Aircraft/Engine Type	Samples	Last Analysis Date	Last Sampling Date	Other Analysis?	Status	Create Report
1	JCAPT2 (Region D - Oil Analysis)	1Q445FL	ENGINE	AG4JA0355	BEECHJET 400XP	8	2017-12-01	2017-11-17		Normal	Report
2	JCAPT2 (Region D - Oil Analysis)	1Q477FL	ENGINE	AG4JA0729	BEECHJET 400A	8	2017-12-01			Normal	Report
3	JCAPT2 (Region D - Oil Analysis)	1Q477FL	ENGINE	AG4JA0728	BEECHJET 400A	8	2017-12-01			Normal	Report
4	JCAPT2 (Region D - Oil Analysis)	1Q471LX	ENGINE	AG4JA085N20	BEECHJET 400A	8	2017-12-01	2017-11-27		Normal	Report

View the list of equipment for the selected analysis type. You can also use the **Status** icons, a feature available throughout webECHO, to filter equipment according to analysis status e.g. Advanced/Early/Normal/Undefined.

# INDIVIDUAL EQUIPMENT RECORD

You can use the individual record to **change the information** we hold on a piece of equipment. In particular to submit an engine change amend the engine serial number(s) and enter the installation date in the Comments Box. Once the record has been amended click the **Submit Change(s)** button for the data to be sent to Spectro | Jet-Care for review and confirmation.

**Upload your own notes** and documents using the My Files / My Notes area at the bottom of each individual record to allow your files to remain accessible to your account from any device.

The **Watch List** function is activated in this section to enable you to keep track of the chosen individual piece of equipment. This will appear on your Watch list visible from the Links area of the Dashboard. You can add multiple pieces of equipment to your watch list.

# ANALYSIS DATA

The dashboard includes navigation tabs for ANALYSIS SUMMARY, OIL ANALYSIS, DEBRIS & FILTER ANALYSIS, HYDRAULIC FLUID ANALYSIS, FUEL ANALYSIS, COOLANT ANALYSIS, TRANSFORMER ANALYSIS, and GAS PATH ANALYSIS. Below these are sections for DASHBOARD, OPERATOR, EQUIPMENT, and REPORTING CONTACTS.

Filters include: ENGINE-BEECHIET 400A, Particle Count (dropdown), Start Date (09/01/2017), End Date (09/01/2018), and Laboratory Reference.

PDF	6	7	8	9
Position				
Status	Normal	Normal	Normal	Normal
Date Taken	2017-04-13	2017-06-23	2017-09-11	-
Receipt Date	2017-04-19	2017-06-29	2017-09-14	2018-01-01
Analysis Date	2017-04-19	2017-06-29	2017-09-14	2018-01-02
Laboratory Reference	JC12D2543	JC12G435	JC12I1898	JC13A474-2
Customer Reference	RK-377	RK-377	RK-377	RK-377
Ticket Number	50093	56940	54480	48155
Unit Life	4291.4	4482.3	4688.4	-
Oil Added	-	-	-	-
Sampling Point	-	-	-	-
Oil Grade	BP TURBO OIL 2380			
PS 5-15 (per 100ml)	-	-	-	-
PS 15-25 (per 100ml)	-	-	-	-

When viewing an individual piece of equipment click the **Data** button to view the tabular analysis data. You can use the drop-down box at the top of the page to view pre-defined groupings of tests/elements.

# GRAPHS

The graph interface includes filters for Iron (x1), Chromium (x5), Copper (x5), Silver (x5), and a [Select an item] dropdown (x1). It also features an Overlay Equipment dropdown, Analysis Start Date (21/01/2008), and Analysis End Date (18/01/2018).

Buttons for Additives, Wear Elements, TAN/TBN, Submit, Save as PDF, Limits, Samples, and Data are available.

The graph plots trends for Iron (ppm), Chromium (ppm), Copper (ppm), and Silver (ppm) over time. The Y-axis ranges from 0 to 26. Data points are labeled with 'Taken' and 'Completed' dates and unit life values.

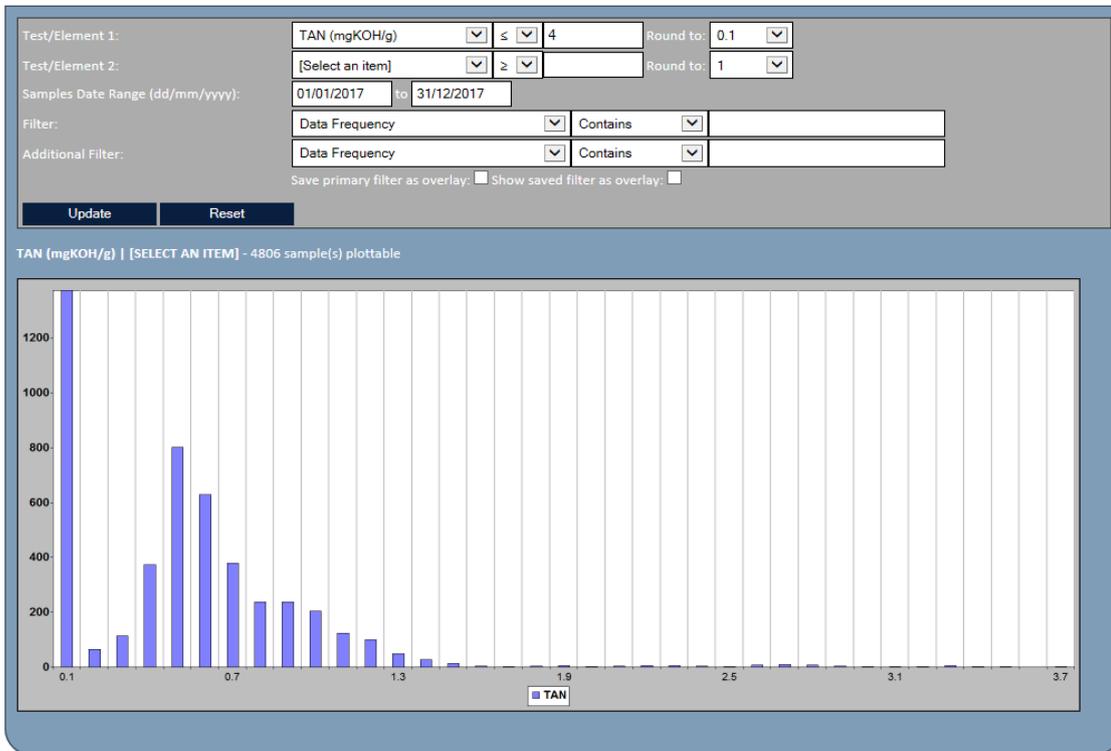
Legend: Iron (ppm) - Blue line with diamonds, Chromium (ppm) - Red line with squares, Copper (ppm) - Yellow line with triangles, Silver (ppm) - Green line with circles.

Reports: English - Comment: [ ] PDF

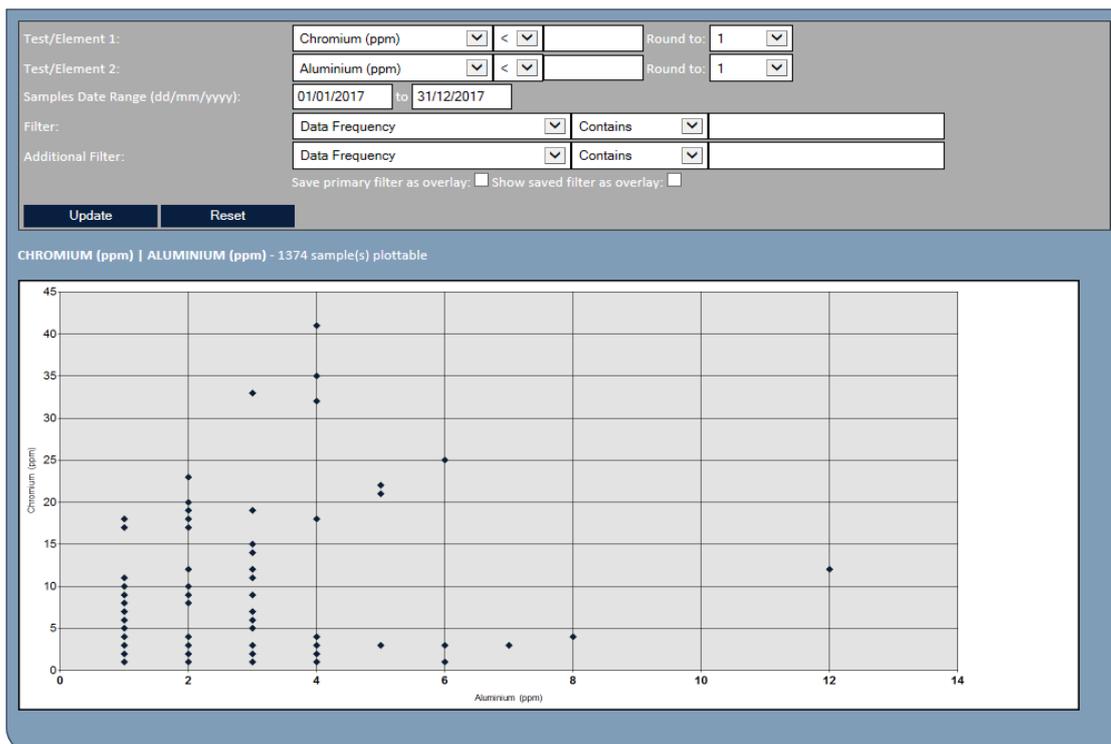
The graph function allows you to plot the trends of analysis for individual equipment for a selection of tests/elements. Select the criteria required and press the **Submit** button to generate the graph. There are quick links for **additives** and **wear elements** and individual tests or elements can be scaled using each **individual multiplier**.

# DISTRIBUTIONS

The Distribution icon allows you to create graphical comparisons of your test results. Select tests or elements from the drop down box, choose how the results will be grouped and apply any filters. The graph created will show the number of results along the horizontal axis and the number of samples for each group on the vertical axis.



If you select two tests/elements then their results will be plotted against each other in a scatter graph. One test/element will show results on the horizontal axis and the other on the vertical axis.



# REPORTING

#	Contact	Code	Method	Format	Details	Address
1	Alison Potere	J453	Email	PDF	Fuels PDF (Grouped - Batch Only)	alisonpotere@jet-care.com
2	Pam Kaur	J453	Email	PDF	Fuels PDF (Grouped - Batch Only)	pamkaur@jet-care.com
3	Engineer	K4	Email	PDF	Fuels PDF (Grouped - Batch Only)	enquiries@spectro-oil.com
4	Engineer	K4	Email	PDF	Fuels PDF (Grouped - Batch Only)	enquiries@spectro-oil.com
5	Engineer	K4	Email	PDF	Fuels PDF (Grouped - Batch Only)	enquiries@spectro-oil.com
6	Engineer	K4	Email	PDF	Fuels PDF (Grouped - Batch Only)	enquiries@spectro-oil.com

Use this section to view and change the details held for each Contact receiving reports. The search toolbar can be used to search for Contacts directly.

Use the **List/Detailed View** icon to change from list view to individual contact view. This function is available throughout webECHO.



# FEEDBACK

If you would like to provide feedback or send us a message select the **Feedback** button, complete the necessary information and click **Submit**. The **Comment/Feedback** button is found at the bottom of the individual Equipment record pages.

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