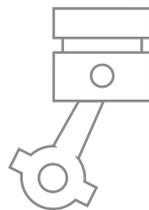




SPECTRO[®]
JET-CARE[®]

webECHO[™]

User Guide for
Industrial Customers



spectro-oil.com | 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** request a username and password.

SPECTRO | JET-CARE

webECHO™

CONDITION MONITORING EXCELLENCE

You are here: Home > Existing User / New User

WELCOME TO webECHO

NEW FEATURES

EXISTING USER

Username:

Password:

Remember me

[Forgotten password](#)

Submit >

NEW USER

Name:

Position:

Company:

Email:

Telephone:

[Why use webECHO? | What's new?](#)

Submit >

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MANAGE | REVIEW | ANALYSE

webECHO gives you access to your latest analysis results and data all in one place. This guide outlines the main screens and functionality to enable you to manage, review and analyse your results for all our Laboratory Analysis Services.

NEW FUNCTIONALITY

We have been able to add the following new functions to the webECHO system in recent months following customer feedback and our continuous review program.

- 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.

The screenshot shows the 'ANALYSIS SUMMARY' dashboard with tabs for different analysis types: ANALYSIS SUMMARY, OIL ANALYSIS, DEBRIS & FILTER ANALYSIS, HYDRAULIC FLUID ANALYSIS, FUEL ANALYSIS, COOLANT ANALYSIS, TRANSFORMER ANALYSIS, and GAS PATH ANALYSIS. Below the tabs, there's a filter for 'EQUIPMENT (9)' and a search bar. The main area is a grid of analysis categories and their status.

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	2 / 2	N/A	N/A	N/A	N/A	1 / 1	N/A
EARLY	2 / 2	N/A	N/A	N/A	N/A	0 / 0	N/A
NORMAL	5 / 5	N/A	N/A	N/A	N/A	0 / 0	N/A
UNDEFINED	0 / 0	N/A	N/A	N/A	N/A	0 / 0	N/A

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.

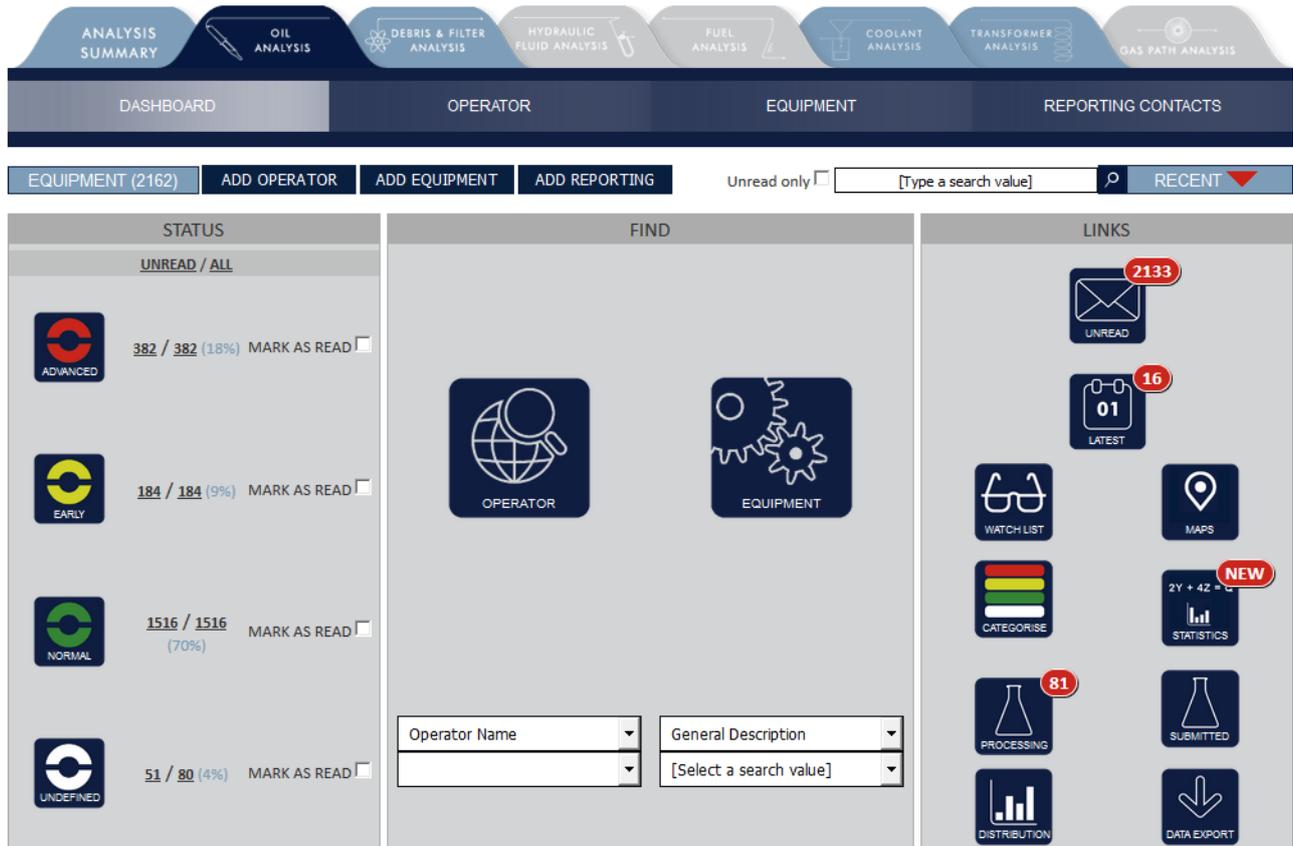
QUICK FILTER LINKS

The screenshot shows a table with columns for #, Operator, Equipment, Description, Serial, System Description, Site, Samples, Last Analysis Date, Last Sampling Date, Next Sample, Laboratory Reference / Ticket Number, Other Analysis?, Sample Labels, Status, and Create Report. The 'Status' column has a dropdown menu set to 'L7165'. The data rows show equipment details and analysis dates.

#	Operator	Equipment	Description	Serial	System Description	Site	Samples	Last Analysis Date	Last Sampling Date	Next Sample	Laboratory Reference / Ticket Number	Other Analysis?	Sample Labels	Status	Create Report
1	SPWWM (Region D)	0090 (-)	1241609416	6246609416		Site 1	22	2018-01-02	2017-12-01		SJS59819236 /				
2	SPWWM (Region D)	0079 (-)	1241860716	1241860716		Site 1	17	2018-01-02	2017-11-28		SJS65631236 /				
3	SPWWM (Region D)	0094 (-)	1241863716	1241863716		Site 1	18	2018-01-02	2017-11-19		SJS63608236 /				

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 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 (22%)	2 (22%)	5 (56%)	0 (0%)
1	BRAD	Region C	2018-01-02	1220	2	2 (100%)	0 (0%)	0 (0%)	0 (0%)
2	BURN	Region B	2018-01-02	582	1	0 (0%)	1 (100%)	0 (0%)	0 (0%)
3	SPWWM	Region D	2018-01-02	87	6	0 (0%)	1 (17%)	5 (83%)	0 (0%)

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	Equipment	Description	Serial	System Description	Site	Samples	Last Analysis Date	Last Sampling Date	Next Sample	Laboratory Reference / Ticket Number	Other Analysis?	Sample Labels	Status	Create Report
1	SPWWM (Region D)	0090 (-)	1241609416	6246609416		Site 1	22	2018-01-02	2017-12-01		SJS59819236 /		L7165		
2	SPWWM (Region D)	0079 (-)	1241860716	1241860716		Site 1	17	2018-01-02	2017-11-28		SJS65631236 /				
3	SPWWM (Region D)	0094 (-)	1241863716	1241863716		Site 1	18	2018-01-02	2017-11-19		SJS63608236 /				
4	SPWWM (Region D)	0083 (-)	9249867316	7247867316		Site 1	17	2018-01-02	2017-11-14		SJS65195236 /				
5	BRAD (Region C)	0001 (3732501)	Odiham 1	3732505N2	Jenbacher 320 Gas Engine	Odiham 1	813	2018-01-02	2015-06-11		IND63415 /				

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

[Export](#) | Filter: no data in last [7](#), [14](#), [30](#), [60](#), [90](#), [180](#), [365](#), [400](#) day(s), [ever](#) | [Overdue](#) |

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 features 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.

At the top of the data view, there is a filter for '-Engine (Adrichem Steenberg 2): Particle Count' and a dropdown menu. Below this are input fields for Start Date (31/10/2016), End Date (31/10/2017), and Laboratory Reference, along with a Submit button.

PDF	20	21	22	23
Position	20	21	22	23
Status	Early	Advanced	Normal	Normal
Date Taken	2017-03-21	2017-04-25	2017-07-12	2017-09-07
Receipt Date	2017-03-27	2017-05-04	2017-07-17	2017-09-23
Analysis Date	2017-03-29	2017-05-05	2017-07-18	2017-09-26
Laboratory Reference	GEUK23120	GEUK25733	GEUK24834	GEUK25715
Customer Reference	J D679	J D679	J D679	J D679
Ticket Number	68817	78152	82153	80491
Unit Life	47034	47570	48340	48877
Oil Life	1756	2292	420	957
Oil Added	-	-	-	-
Sampling Point	-	-	-	-
Oil Grade	Mobil Pegasus 705	Mobil Pegasus 705	Mobil Pegasus 705	Mobil Pegasus 705
P5 5-15 (per 100ml)	-	-	-	-
P5 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 as well as create graphs and download using the Export button.

GRAPHS

The graph interface includes filters for TAN and TBN, each with a multiplier of 1 and a 'Limit' checkbox. There are also dropdowns for 'Additives' and 'Wear Elements'. Below these are fields for 'Overlay Equipment', 'Start Date (21/02/2015)', and 'End Date (20/02/2017)', along with Submit, Limits, and Save as PDF buttons.

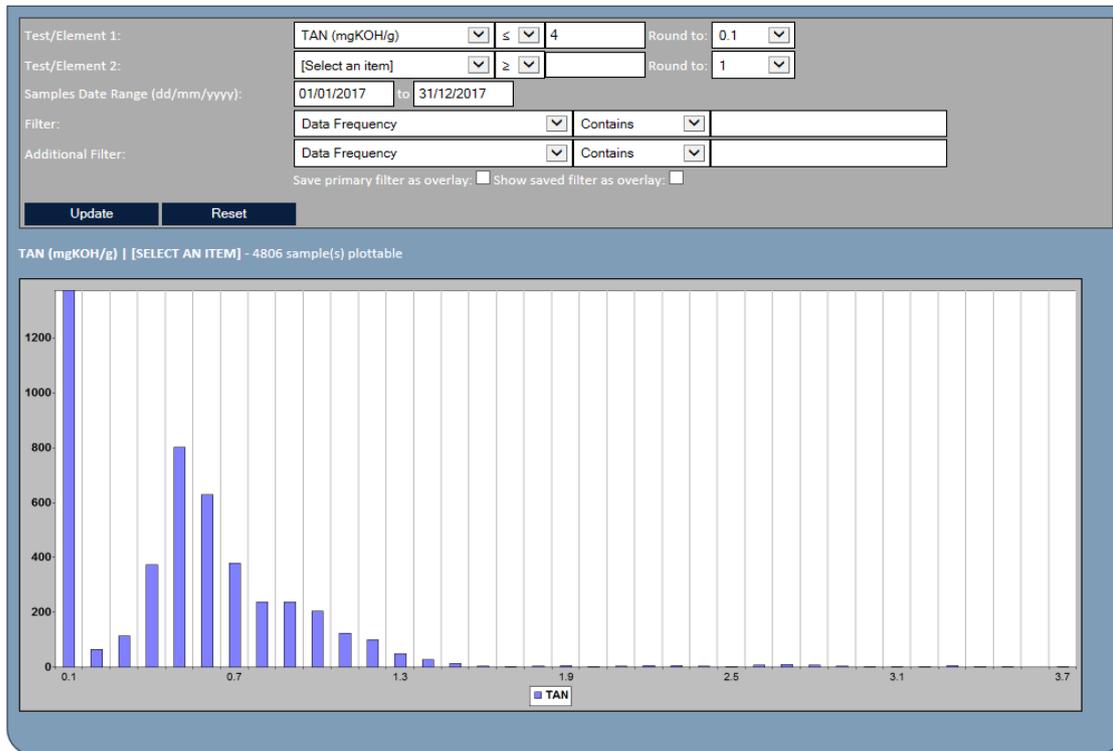
The graph is titled 'Graph for GE0005.0005 (-Engine-19 sample(s) available.)'. The Y-axis represents values from 0 to 5. The X-axis shows dates from 2015-03-24 to 2016-10-03. Two data series are plotted: TAN (mgKOH/g) in blue and TBN (mgKOH/g) in purple. The TBN series starts at approximately 4.5, fluctuates, and peaks at 5.0. The TAN series starts at approximately 2.2, fluctuates, and peaks at 3.2.

At the bottom, there is a language selection menu (ECHO, English, German, French, Finnish, Danish, Spanish, Portuguese) and a comment field.

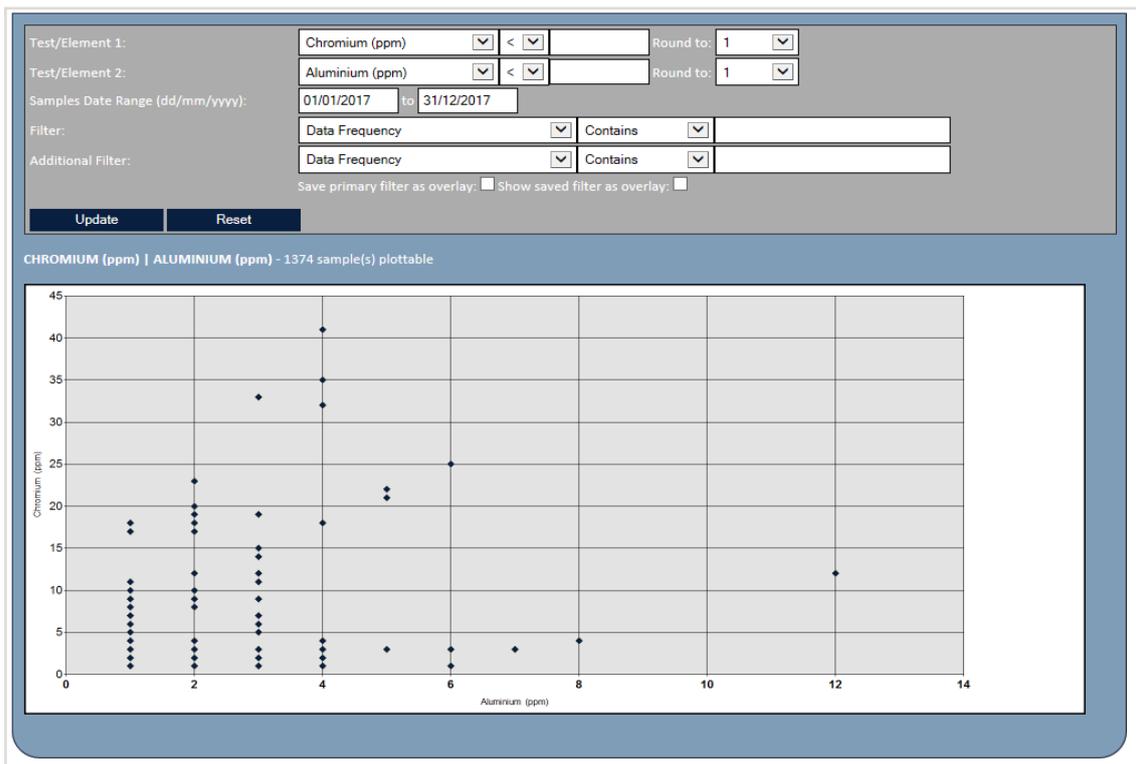
The graph function allows you to plot the trends of analysis for individual equipment for a selection of tests/elements. Select the criteria required and press the **Submit** button to generate the graph. There are quick links for **additives** and **wear elements** are provided and the individual tests 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	Engineer	BURN	Email	PDF	Dark Oils PDF - 2 pages (early + advanced alerts only)	enquiries@spectro-oil.com
2	Engineer	BRAD	Email	ECHO	ECHO \Version 2	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

Contact Name*: Palace International - Industrial

Contact Telephone*: [Empty]

Contact Email*: alanbaker@spectro-oil.com

Comment: Please send the latest copy of the Industrial webECHO User Guide. Thank you!

*mandatory

Submit >

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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