HOW TO READ
A OIL REPORT

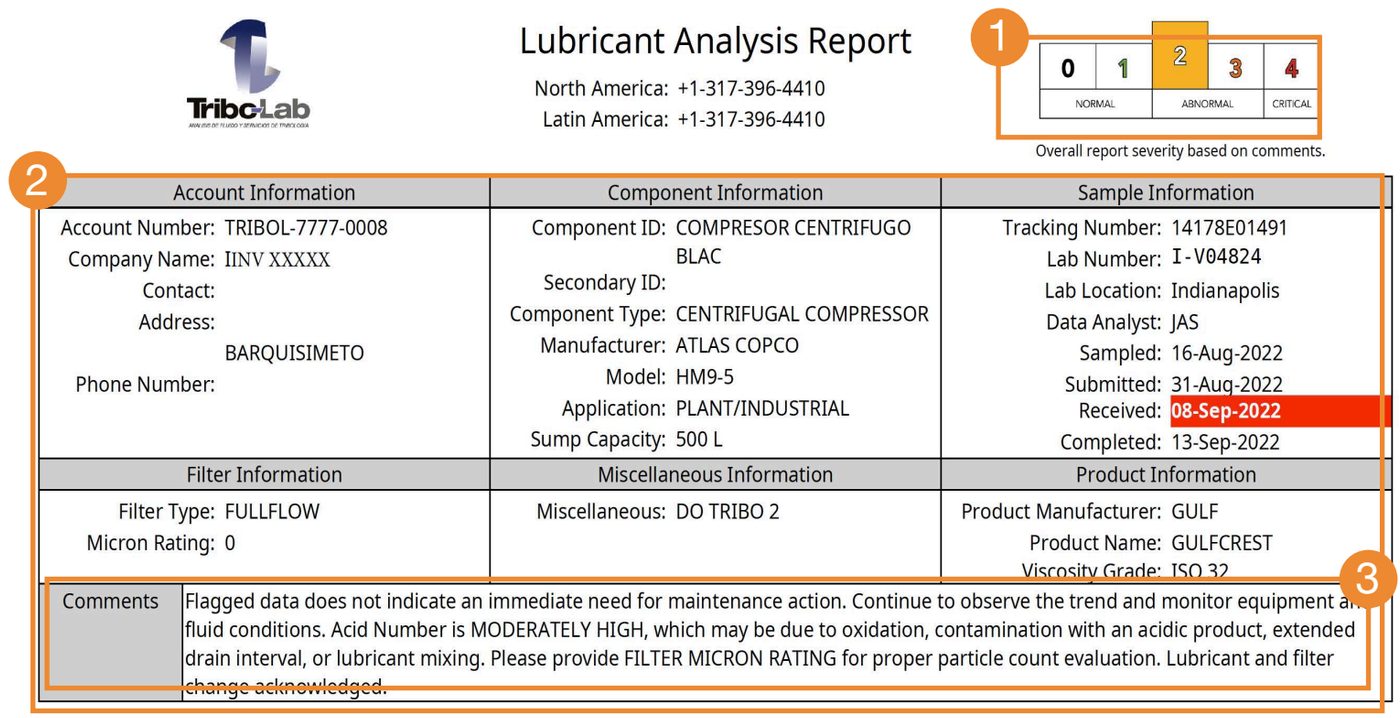
Through the following instructions you will be guided on how to read your sample report. Also, the meaning of each section and how to interpret the information.

Sample Summary

Open a sample report in TRIBOLAB®, under "Find a sample". The top of the report contains all the information you need to take action on the results.

1. Severity Scale

This is a color-coded scale with a severity range of “0 to 4”, the severity of the report is displayed in a large box with a white number inside, surrounded by a color field. It should be noted that the overall severity of the report is based on observations, and not just the results of individual tests.



Lubricant Analysis Report

North America: +1-317-396-4410
Latin America: +1-317-396-4410

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0	1	2	3	4
NORMAL		ABNORMAL		CRITICAL

Overall report severity based on comments.

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Account Information		Component Information		Sample Information	
Account Number:	TRIBOL-7777-0008	Component ID:	COMPRESOR CENTRIFUGO BLAC	Tracking Number:	14178E01491
Company Name:	IINV XXXXX	Secondary ID:		Lab Number:	I-V04824
Contact:		Component Type:	CENTRIFUGAL COMPRESSOR	Lab Location:	Indianapolis
Address:		Manufacturer:	ATLAS COPCO	Data Analyst:	JAS
	BARQUISIMETO	Model:	HM9-5	Sampled:	16-Aug-2022
Phone Number:		Application:	PLANT/INDUSTRIAL	Submitted:	31-Aug-2022
		Sump Capacity:	500 L	Received:	08-Sep-2022
				Completed:	13-Sep-2022
Filter Information		**Miscellaneous Information**		**Product Information**	
Filter Type:	FULLFLOW	Miscellaneous:	DO TRIBO 2	Product Manufacturer:	GULF
Micron Rating:	0			Product Name:	GULFCREST
				Viscosity Grade:	ISO 32

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Comments	Flagged data does not indicate an immediate need for maintenance action. Continue to observe the trend and monitor equipment and fluid conditions. Acid Number is MODERATELY HIGH, which may be due to oxidation, contamination with an acidic product, extended drain interval, or lubricant mixing. Please provide FILTER MICRON RATING for proper particle count evaluation. Lubricant and filter change acknowledged.

2. Summary

This area contains information about the account, component, sample, filter, product (fluid), and miscellaneous information. It is not necessary to fill in the miscellaneous information field when submitting the sample. Examples of miscellaneous information, this field can include the time the sample was taken or the initials of the person taking the sample.

3. Comments

This section includes the analysis of the test results, including maintenance recommendations and observations from our data analysis team. These comments, along with the results of individual analyze, determine the overall report severity and establish a preventive and / or corrective action plan for the tribological system.

RESULTS
OF THE TEST

The test results are included in the sample report. Past sample results may appear above or below current results. The orientation of the report results can be controlled in your user settings.

4. 24 elemental metals per (ICP)

This area provides information on "ppm" concentrations of the elemental metals in the sample through the ICP-OES (Inductively-Coupled Plasma - Optical Emission Spectrometry) ASTM D5185 test. Discharging concentrations of wear metals and additive metals from the evaluated fluid.

5. Sample information

This area contains information about the sample to be considered by the data analyst (date sampled, date received, lubrication time, unit time, lubricant change, added lubricant, and filter change).

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	Wear Metals (ppm)										Contaminant Metals (ppm)			Multi-Source Metals (ppm)						Additive Metals (ppm)				
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
BL	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	33	0	11	10
1	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	12	0

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	Sample Information							Contaminants			Fluid Properties					
Sample #	Date Sampled	Date Received	Lube Time yr	Unit Time yr	Lube Change	Lube Added L	Filter Change	Fuel Dilution %	Soot %	Water %	Viscosity 40°C cSt	Viscosity 100 °C cSt	Acid Number mg KOH / g	Base No. D4739 mg KOH / g	Oxidation abs / cm	Nitration abs / 0.1mm
BL	25-Aug-2017	11-Sep-2017	0	0	Unk	0	Unk				31.9		0.02		2	3
1	16-Aug-2022	08-Sep-2022	2	22	Yes	0	Yes				33.3		0.18		5	4

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	Particle Count (particles/mL)											Additional Testing			
Sample #	ISO Code Based On 4/6/14	> 4 particles / mL	> 6 particles / mL	> 10 particles / mL	> 14 particles / mL	> 21 particles / mL	> 38 particles / mL	> 70 particles / mL	> 100 particles / mL	Test Method	Flash Point - Cleveland Open Cup °C	Color D1500	Water by Karl Fischer - mod. 6304C ppm	Particle Quantifier Index Number
BL	19 / 17 / 14	2889	961	262	101	29	0	0	0	ASTM D7647			31	
1	20 / 18 / 14	5773	1609	275	92	22	3	0	0	ASTM D7647	231	8.0	29	12

6. Additional tests

This area shows the result of external pollutants such as water, fuel, sludge, among other values. It includes additional tests such as: Viscosity Test, TAN acidity, Karl Fisher,% Soot, fuel dilution, oxidation and nitration.

RESULTS
OF THE TEST

7. Marked results

The test results marked will have a colored background that is related to the severity of the scale at the top.

8. Historical comments

Comments from previous sample reports are included along with the severity of the overall report.

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9. Sample charts

The graphs shown in the report can be selected by setting "Sample report display" in "My Settings" in your TRIBOLAB® account.

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