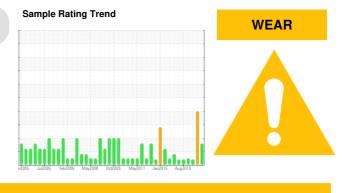
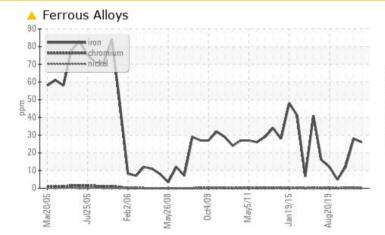


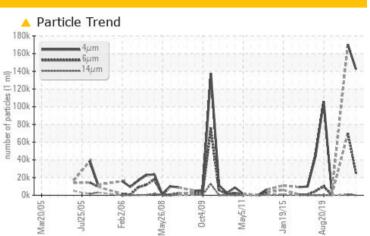
PROBLEM SUMMARY



Machine Id **13** Component **Turbine** Fluid **R&O OIL ISO 68 (--- QTS)**

COMPONENT CONDITION SUMMARY





RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS

Sample Status				ABNORMAL	ABNORMAL	ABNORMAL		
Iron	ppm	ASTM D5185m	>15	<u> </u>	<u> </u>	12		
Particles >6µm		ASTM D7647	>1300	🔺 25588	69939			
Oil Cleanliness		ISO 4406 (c)	>/17/14	<u> </u>	2 5/23/17			

Customer Id: COLALB Sample No.: WC0813248 Lab Number: 05923395 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Don Baldridge +1 don.b505@comcast.net

To change component or sample information: Customer Service +1 1-800-237-1369 <u>customerservice@wearcheck.com</u> There are no recommended actions for this sample.

HISTORICAL DIAGNOSIS

14 Sep 2022 Diag: Angela Borella



We advise that you check for visible metal particles in the oil. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Iron ppm levels are abnormal. Copper ppm levels are noted. Light concentration of visible metal present. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

16 Nov 2021 Diag: Doug Bogart

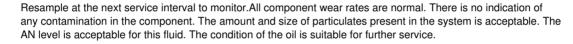


We recommend you service the filters on this component. Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.All component wear rates are normal. Moderate concentration of visible dirt/debris present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.















OIL ANALYSIS REPORT

Sample Rating Trend

WEAR

Machine Id **13** Component **Turbine** Fluid **R&O OIL ISO 68 (--- QTS)**

DIAGNOSIS

A Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

🔺 Wear

The iron level is abnormal. All other component wear rates are normal.

Contamination

There is a high amount of silt (particulates < 14 microns in size) present in the oil.

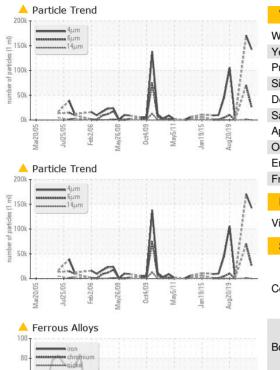
Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

	#2005 Jul20	05 Feb2006 May2008	Oct2009 May2011 Jan2015 /	Aug2019	
IATION	method	limit/base	current	history1	history2
	Client Info		WC0813248	WC0700727	WC0577549
	Client Info		13 Aug 2023	14 Sep 2022	16 Nov 2021
hrs	Client Info		0	0	0
hrs	Client Info		0	0	0
	Client Info		N/A	N/A	N/A
			ABNORMAL	ABNORMAL	ABNORMAL
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>15	A 26	<u> </u>	12
ppm	ASTM D5185m	>4	<1	<1	<1
ppm	ASTM D5185m	>2	0	0	0
ppm	ASTM D5185m		<1	<1	0
ppm	ASTM D5185m		0	0	0
ppm	ASTM D5185m	>10	3	3	0
	ASTM D5185m		0	<1	0
	ASTM D5185m	>5	4	 5	2
	ASTM D5185m	>5		<1	0
		-			0
			-1	0	0
					0
ppm		limit/base			-
					history2
			-		<1
		-			0
		5	-		0
		_			0
					0
		-	-	•	0
					3
ppm		25			7
ppm	ASTM D5185m	1500	91	135	184
	method	limit/base	current	history1	history2
ppm	ASTM D5185m	>15	7	8	7
ppm	ASTM D5185m		1	0	0
ppm	ASTM D5185m	>20	<1	1	0
ESS	method	limit/base	current	history1	history2
	ASTM D7647		142401	170177	
	ASTM D7647	>1300	<u> </u>	▲ 69939	
	ASTM D7647	>160	30	A 999	
	ASTM D7647	>40	4	46	
	ASTM D7647	>10	0	1	
		>3	0	0	
	ISO 4406 (c)	>/17/14	<u> </u>	▲ 25/23/17	
TION	method	limit/base	current	history1	history2
	hrs	Client Info Client Info Nrs Client Info Client Info Client Info Client Info Client Info Client Info Client Info Client Info ASTM D5185m ppm ASTM D51	Client InfoClient InfoNrsClient InfoInrsClient InfoClient InfoInit/baseClient InfoImit/baseppmASTM D5185mppmASTM D5185m <td>Client InfoWC0813248Client Info13 Aug 2023hrsClient Info0hrsClient InfoN/AClient InfoN/AClient InfoN/ADemoClient InfoN/ApmASTM D5185m>15ASTM D5185m>4<1</td> ppmASTM D5185m>2ppmASTM D5185m>2ppmASTM D5185m>10ppmASTM D5185m>10ppmASTM D5185m>10ppmASTM D5185m>5ppmASTM D5185m>5ppmASTM D5185m>5ppmASTM D5185m<11ppmASTM D5185m5ppmASTM D5185m5p <td>Client Info WC0813248 WC070727 Client Info 13 Aug 2023 14 Sep 2022 hrs Client Info 0 0 RS Client Info 0 0 Client Info N/A N/A Client Info N/A ABNORMAL Ppm ASTM D5185m >15 ▲ 26 ▲ 28 ppm ASTM D5185m >2 0 0 ppm ASTM D5185m >10 3 3 ppm ASTM D5185m >10 <11</td> 1 ppm ASTM D5185m >5 0 <11 ppm ASTM D5185m >5 0 0 ppm ASTM D5185m 5 0 0 </td	Client InfoWC0813248Client Info13 Aug 2023hrsClient Info0hrsClient InfoN/AClient InfoN/AClient InfoN/ADemoClient InfoN/ApmASTM D5185m>15ASTM D5185m>4<1	Client Info WC0813248 WC070727 Client Info 13 Aug 2023 14 Sep 2022 hrs Client Info 0 0 RS Client Info 0 0 Client Info N/A N/A Client Info N/A ABNORMAL Ppm ASTM D5185m >15 ▲ 26 ▲ 28 ppm ASTM D5185m >2 0 0 ppm ASTM D5185m >10 3 3 ppm ASTM D5185m >10 <11

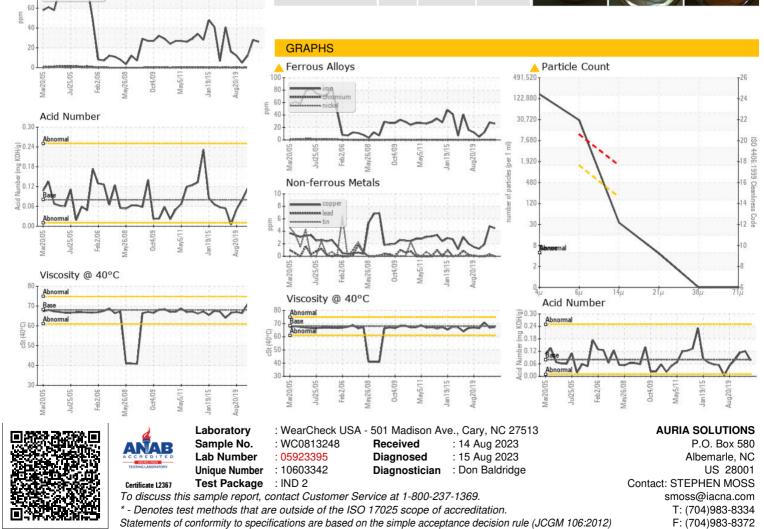


OIL ANALYSIS REPORT



VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	🔺 LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	VLITE	🔺 MODER
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.03	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	68	67.3	66.8	70.8
SAMPLE IMAGES		method	limit/base	current	history1	history2
Color				g		

Bottom



Contact/Location: STEPHEN MOSS - COLALB