

R&O OIL ISO 100 (--- GAL)

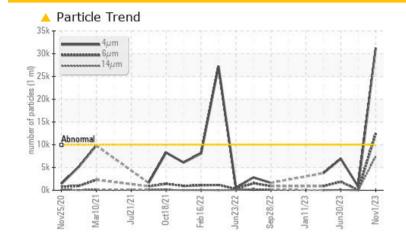
COMPONENT CONDITION SUMMARY

Area MP-105

Component **Pump** Fluid

PROBLEM SUMMARY

Sample Rating Trend ISO



F00216 - VACUUM PUMP BUSCH RAU630 CRYOVAC LINE 3 TOP (S/N U053804580)

RECOMMENDATION

We recommend you service the filters on this component. Resample at the next service interval to monitor.

PROBLEMATIC TEST RESULTS						
Sample Status			ABNORMAL	NORMAL	NORMAL	
Particles >4µm	ASTM D7647	>10000	<u> </u>	768	6914	
Particles >6µm	ASTM D7647	>2500	🔺 12467	81	1864	
Particles >14µm	ASTM D7647	>320	<u> </u>	8	90	
Particles >21µm	ASTM D7647	>80	🔺 6699	2	14	
Particles >38µm	ASTM D7647	>20	<u> </u>	0	0	
Particles >71µm	ASTM D7647	>4	A 396	0	0	
Oil Cleanliness	ISO 4406 (c)	>20/18/15	<u> </u>	17/14/10	20/18/14	

Customer Id: HORAUS Sample No.: WC0850253 Lab Number: 06001572 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Jonathan Hester +1 919-379-4092 x4092 jhester@wearcheckusa.com

To change component or sample information: Customer Service +1 1-800-237-1369 customerservice@wearcheck.com

RECOMMENDED ACTIONS						
Action	Status	Date	Done By	Description		
Change Filter			?	We recommend you service the filters on this component.		

HISTORICAL DIAGNOSIS

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

view report

view report

30 Jun 2023 Diag: Angela Borella

17 Sep 2023 Diag: Doug Bogart

NORMAL



No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

05 May 2023 Diag: Don Baldridge

We recommend you service the filters on this component. Resample at the next service interval to monitor.All component wear rates are normal. Appearance is hazy. There is a trace of moisture present in the oil. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.







OIL ANALYSIS REPORT

MP-105 Machine Id F00216 - VACUUM PUMP BUSCH RAU630 CRYOVAC LINE 3 TOP (S/N U053804580) Component

Pump Fluid

R&O OIL ISO 100 (--- GAL)

DIAGNOSIS

Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

Wear

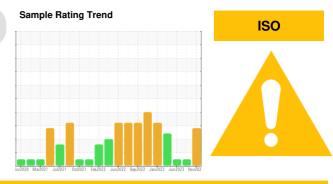
All component wear rates are normal.

Contamination

There is a high amount of particulates present in the oil.

Fluid Condition

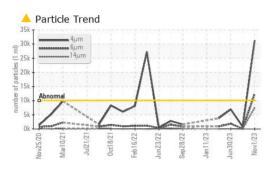
The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

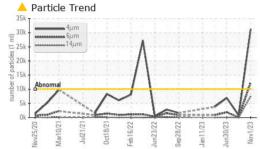


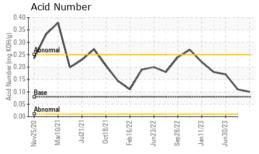
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0850253	WC0840150	WC0820584
Sample Date		Client Info		01 Nov 2023	17 Sep 2023	30 Jun 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>90	12	13	12
Chromium	ppm	ASTM D5185m	>5	<1	0	0
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m	>3	0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m	>7	2	2	6
Lead	ppm	ASTM D5185m	>12	0	0	<1
Copper	ppm	ASTM D5185m	>30	<1	0	<1
Tin	ppm	ASTM D5185m	>9	1	1	1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	5	0	0	0
Barium	ppm	ASTM D5185m	5	<1	0	0
Molybdenum	ppm	ASTM D5185m	5	0	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	5	<1	1	3
Calcium	ppm	ASTM D5185m	5	<1	2	0
Phosphorus	ppm	ASTM D5185m	100	459	487	591
Zinc	ppm	ASTM D5185m	25	1	2	4
Sulfur	ppm	ASTM D5185m	1500	1238	1610	1713
CONTAMINANTS	3	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>60	5	4	3
Sodium	ppm	ASTM D5185m		0	2	2
Potassium	ppm	ASTM D5185m	>20	2	0	4
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	A 31250	768	6914
Particles >6µm		ASTM D7647	>2500	🔺 12467	81	1864
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Particles >21µm		ASTM D7647	>80	🔺 6699	2	14
Particles >38µm		ASTM D7647	>20	<u> </u>	0	0
Particles >71µm		ASTM D7647	>4	<mark>/</mark> 396	0	0
Oil Cleanliness		ISO 4406 (c)	>20/18/15	A 22/21/20	17/14/10	20/18/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.08	0.10	0.11	0.17

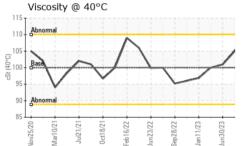


OIL ANALYSIS REPORT







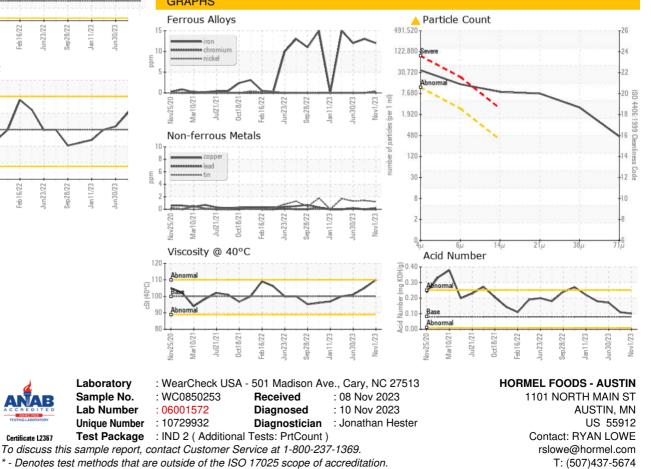


VISUAL		method	limit/base	current	history1	history2
					· · · ·	
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>.1	NEG	0.2%	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	100	110	105	101
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color				a	n	



Bottom





* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

Contact/Location: RYAN LOWE - HORAUS

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