

PROBLEM SUMMARY

Sample Rating Trend



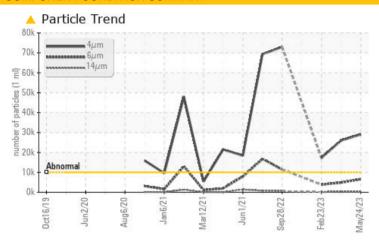
BOSS ROSS DRAW 3031-HEATER TREATER-XTO (S/N 120968)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (18 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status		ABNORMAL	. ABNORMAL	ABNORMAL					
Particles >4μm	ASTM D7647 >	-10000 △ 29013	<u>\$\text{\Delta}\$ 25984</u>	<u>▲</u> 17338					
Particles >6µm	ASTM D7647 >	-1300 △ 6529	4864	▲ 3838					
Oil Cleanliness	ISO 4406 (c) >	20/17/15 🔺 22/20/15	22/19/15	2 1/19/14					

Customer Id: RICHOB Sample No.: TO90003375 Lab Number: 05867342 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 dougb@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	MISSED	Dec 01 2023	?	We recommend you service the filters on this component if applicable.

HISTORICAL DIAGNOSIS

11 Apr 2023 Diag: Don Baldridge





We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



23 Feb 2023 Diag: Don Baldridge





We recommend you service the filters on this component if applicable. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of silt (particulates < 14 microns in size) present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



06 Dec 2022 Diag: Don Baldridge

AIS DERKIS



No corrective action is recommended at this time. The filter change at the time of sampling has been noted. 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



Machine Id

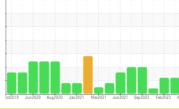
BOSS ROSS DRAW 3031-HEATER TREATER-XTO (S/N 120968)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (18 GAL)

)968)



DIAGNOSIS

Recommendation

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

Wear

All 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.

		Jet2019 Jun2	020 Aug2020 Jan2021	Mar2021 Jun2021 Sep2022 Feb2	023 May202	
SAMPLE INFORMA	ATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003375	TO90002810	TO90002912
Sample Date		Client Info		24 May 2023	11 Apr 2023	23 Feb 2023
Machine Age	hrs	Client Info		13609	13609	13609
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	<1	<1
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	1	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	1	0	<1
Calcium	ppm	ASTM D5185m	0	0	<1	<1
Phosphorus	ppm	ASTM D5185m	0	252	229	225
Zinc	ppm	ASTM D5185m	0	0	0	<1
Sulfur	ppm	ASTM D5185m	0	543	316	400
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		8	12	11
Potassium	ppm	ASTM D5185m	>20	2	1	1
Water	%	ASTM D6304	>2.26	0.406	0.371	0.424
ppm Water	ppm	ASTM D6304	>22600	4060	3710	4240
FLUID CLEANLINE	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	29013	<u>\$\times\$ 25984</u>	<u></u> 17338
Particles >6µm		ASTM D7647	>1300	△ 6529	4864	▲ 3838
Particles >14µm		ASTM D7647	>320	284	308	140
Particles >21µm		ASTM D7647	>80	56	63	18
Particles >38µm		ASTM D7647	>20	3	3	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	22/20/15	<u>22/19/15</u>	<u>\$\lambda\$\$ 21/19/14</u>
FLUID DEGRADAT	TION	method	limit/base	current	history1	history2
Asid Number (ANI)	ma 1/011/a	ACTM DODAE		0.10	0.45	0.10

Acid Number (AN)

mg KOH/g ASTM D8045

0.15

0.10

0.13



OIL ANALYSIS REPORT

