

PROBLEM SUMMARY

Sample Rating Trend

ISO



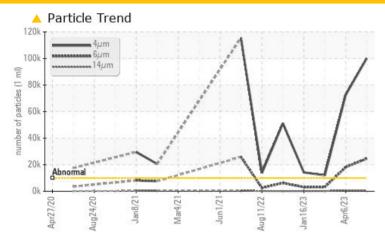
BOSS LONE WATIE-MECH SEAL URV - XTO (S/N 123194)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (10 GAL)

COMPONENT CONDITION SUMMARY



RECOMMENDATION

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

PROBLEMATIC TEST RESULTS									
Sample Status		ABNORMA	L ABNORMAL	ABNORMAL					
Particles >4µm	ASTM D7647 >	10000 🛕 100101	<u>▲</u> 72837	<u>▲</u> 12062					
Particles >6µm	ASTM D7647 >	1300 A 24628	▲ 18187	▲ 3174					
Particles >14μm	ASTM D7647 >	.320 △ 691	▲ 677	142					
Particles >21µm	ASTM D7647 >	·80 ^ 94	1 01	24					
Oil Cleanliness	ISO 4406 (c) >	20/17/15 A 24/22/17	23/21/17	<u>^</u> 21/19/14					

Customer Id: RICHOB Sample No.: TO90003411 Lab Number: 05867356 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	Nov 30 2023	?	We recommend you service the filters on this component.

HISTORICAL DIAGNOSIS

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



08 Mar 2023 Diag: Don Baldridge



We recommend you service the filters on this component if applicable. 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. There is a high amount of silt (particulates < 14 microns in size) present in the oil. 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.



16 Jan 2023 Diag: Don Baldridge





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. 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.





OIL ANALYSIS REPORT

Sample Rating Trend

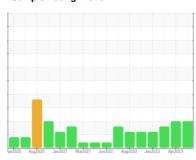


BOSS LONE WATIE-MECH SEAL URV - XTO (S/N 123194)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (10 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.

		Apr2020 Aug	2020 Jan2021 Mar2021	Jun2021 Aug2022 Jan2023	Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003411	TO90002798	TO9000288
Sample Date		Client Info		12 May 2023	06 Apr 2023	08 Mar 2023
Machine Age	hrs	Client Info		19731	18952	18378
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	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	2	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	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	2	<1	<1
Calcium	ppm	ASTM D5185m	0	0	2	0
Phosphorus	ppm	ASTM D5185m	0	18	21	17
Zinc	ppm	ASTM D5185m	0	0	1	0
Sulfur	ppm	ASTM D5185m	0	102	148	81
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon		ASTM D5185m	>25	3	1	0
Sodium	ppm	ASTM D5185m	>25	16	11	6
Potassium		ASTM D5185m	>20	2	1	1
Water	ppm %	ASTM D5165111		1.39	0.956	1.27
ppm Water	ppm	ASTM D6304 ASTM D6304	>22600	13900	9560	12700
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 100101	▲ 72837	▲ 12062
Particles >6µm		ASTM D7647		<u>△</u> 24628	▲ 18187	<u>△</u> 3174
Particles >14µm		ASTM D7647	>320	<u>▲</u> 691	▲ 677	142
Particles >21µm		ASTM D7647		<u>△</u> 94	▲ 101	24
Particles >38µm		ASTM D7647	>20	2	6	1
Particles >71μm		ASTM D7647		0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<u>4</u> 24/22/17	△ 23/21/17	△ 21/19/14
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.104	0.194	0.32
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OIL ANALYSIS REPORT

