

PROBLEM SUMMARY

Sample Rating Trend



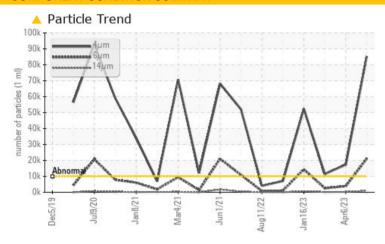
BOSS LONE WATIE CTB-HEATER TREATER-XTO (S/N 123442)

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		ABN	ORMAL ABNORMA	L ABNORMAL					
Particles >4µm	ASTM D7647	>10000 🔺 85	214 \(\) 17360	<u> </u>					
Particles >6µm	ASTM D7647	>1300 🔺 21	103 \triangle 3829	<u>\$\times\$ 2560</u>					
Particles >14µm	ASTM D7647	>320 🔺 98	210	141					
Particles >21µm	ASTM D7647	>80 🔺 15	9 43	29					
Oil Cleanliness	ISO 4406 (c)	>20/17/15 🔺 24	1/22/17 <u> ^ 21/19/15</u>	<u>^</u> 21/19/14					

Customer Id: RICHOB Sample No.: TO90003412 Lab Number: 05867355 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 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.



08 Mar 2023 Diag: Don Baldridge

ISO



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.



16 Jan 2023 Diag: Don Baldridge

ISO



We recommend you service the filters on this component. 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. 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 LONE WATIE CTB-HEATER TREATER-XTO (S/N 123442)

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.

		Jec2019 Jul2	020 Jan2021 Mar2021	Jun2021 Aug2022 Jan2023	Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003412	TO90002799	TO90002881
Sample Date		Client Info		12 May 2023	06 Apr 2023	08 Mar 2023
Machine Age	hrs	Client Info		17314	17265	17102
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	2	2	2
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		<1	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	0	0
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	2	<1	0
Calcium	ppm	ASTM D5185m	0	0	1	2
Phosphorus	ppm	ASTM D5185m	0	188	160	176
Zinc	ppm	ASTM D5185m	0	0	<1	1
Sulfur	ppm	ASTM D5185m	0	74	23	16
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	2	1	1
Sodium	ppm	ASTM D5185m	725	9	10	14
Potassium	ppm	ASTM D5185m	>20	3	1	1
Water	%	ASTM D5165111	>2.26	3 1.36	0.555	0.626
ppm Water	ppm	ASTM D6304	>22600	13600	5550	6260
FLUID CLEANLIN		method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	<u>▲</u> 85214	▲ 17360	▲ 11439
				<u>^</u> 21103	▲ 3829	<u>^</u> 2560
Particles >6um		ASTM D7647				
Particles >6μm Particles >14μm		ASTM D7647 ASTM D7647				
Particles >14μm		ASTM D7647	>320	<u> </u>	210	141
Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	>320 >80	▲ 980 ▲ 159	210 43	141 29
Particles >14μm Particles >21μm Particles >38μm		ASTM D7647 ASTM D7647 ASTM D7647	>320 >80 >20	△ 980 △ 159 3	210 43 1	141 29 1
Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	>320 >80	▲ 980 ▲ 159	210 43	141 29
Particles >14µm Particles >21µm Particles >38µm Particles >71µm	TION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>320 >80 >20 >4	△ 980 △ 159 3 0	210 43 1 0	141 29 1



OIL ANALYSIS REPORT

