

PROBLEM SUMMARY

Sample Rating Trend



BOSS POKER LAKE 261 BATTERY - TOWER (S/N 118256)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (8 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

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.

PROBLEMATIC T	EST RE	SULTS				
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Debris	scalar	*Visual	NONE	▲ MODER	LIGHT	LIGHT

Customer Id: RICHOB Sample No.: TO90002866 Lab Number: 05748015 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 customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

09 Nov 2022 Diag: Angela Borella

ISO



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



22 Sep 2022 Diag: Doug Bogart

130



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.



26 Jul 2022 Diag: Jonathan Hester

WATER



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. There is a moderate concentration of water 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

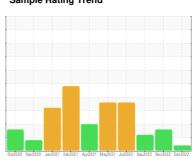
VIS DEBRIS

BOSS POKER LAKE 261 BATTERY - TOWER (S/N 118256)

Component

Compressor

TULCO LUBSOIL LPG WS 150 (8 GAL)





DIAGNOSIS

Recommendation

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.

Wear

All component wear rates are normal.

Contamination

Moderate concentration of visible dirt/debris present in the oil.

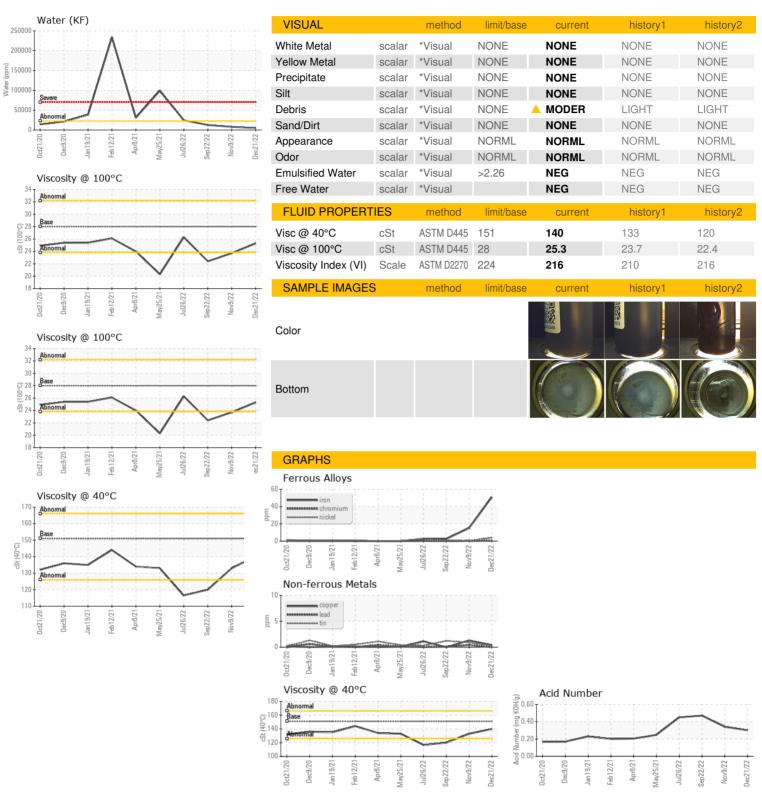
Fluid Condition

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

Client Info Client Info Client Info O			Oct2020 Dec2	020 Jan 2021 Feb 2021 Apr 2	021 May2021 Jul2022 Sep2022 Nov	2022 Dec2022	
Sample Date	SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Machine Age hrs Client Info	Sample Number		Client Info		TO90002866	TO90002653	TO90002529
Dil Age	Sample Date		Client Info		21 Dec 2022	09 Nov 2022	22 Sep 2022
Dil Changed Client Info N/A ABNORMAL ABNORMA	Machine Age	hrs	Client Info		0	0	0
Sample Status method limit/base current history1 history2 Iron ppm ASTM D5185m >50 51 15 3 Chromium ppm ASTM D5185m >10 <1	Oil Age	hrs	Client Info		0	0	0
WEAR METALS method limit/base current history1 history2 Iron ppm ASTM DS185m >50 51 15 3 Chromium ppm ASTM DS185m 10 <1	Oil Changed		Client Info		N/A	N/A	N/A
Iron	Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
Chromium ppm ASTM D5185m >10 <1 <1 0 Nickel ppm ASTM D5185m 4 <1 <1 Tittanium ppm ASTM D5185m 0 0 0 Silver ppm ASTM D5185m >25 <1 <1 <1 0 Aluminum ppm ASTM D5185m >25 <1 0 0 0 Lead ppm ASTM D5185m >50 <1 1 0 1 Copper ppm ASTM D5185m >50 <1 1 0 0 Cadmium ppm ASTM D5185m >15 <1 <1 <1 0 0 Cadmium ppm ASTM D5185m <1 <1 0 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 0 0 Magnesium p	WEAR METALS		method	limit/base	current	history1	history2
Nickel	Iron	ppm	ASTM D5185m	>50	51	15	3
Description	Chromium	ppm	ASTM D5185m	>10	<1	<1	0
Silver	Nickel	ppm	ASTM D5185m		4	<1	<1
Aluminum ppm ASTM D5185m >2.5 <1 0 0 Lead ppm ASTM D5185m >2.5 0 <1	Titanium	ppm	ASTM D5185m		0	0	0
Lead ppm ASTM D5185m >25 0 <1 <1 Copper ppm ASTM D5185m >50 <1 1 0 Tin ppm ASTM D5185m >50 <1 1 0 Vanadium ppm ASTM D5185m >15 <1 <1 0 Cadmium ppm ASTM D5185m <1 <1 0 0 ADDITIVES method limit/base current history1 history2 Boron ppm ASTM D5185m 0 0 1 0 Barium ppm ASTM D5185m 0 1 0 0 Magnesium ppm ASTM D5185m 0 1 <1 0 Magnesium ppm ASTM D5185m 0 1 <1 0 Calcium ppm ASTM D5185m 0 11 1 0 Phosphorus ppm ASTM D5185m 0 262 389	Silver	ppm	ASTM D5185m		<1	<1	0
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Copper ppm ASTM D5185m >50 <1 1 0 Tin ppm ASTM D5185m >15 <1	Lead			>25	0	<1	<1
Tin	Copper		ASTM D5185m		<1	1	0
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Water % ASTM D6304 >2.26 0.472 0.780 1.25 ppm Water ppm ASTM D6304 >22600 4720 7800 12500 FLUID CLEANLINESS method limit/base current history1 history2 Particles >4μm ASTM D7647 >10000 Δ 130318 Δ 63730 Particles >6μm ASTM D7647 >2500 Δ 33343 Δ 10501 Particles >14μm ASTM D7647 >320 Δ 802 266 Particles >21μm ASTM D7647 >80 53 42 Particles >38μm ASTM D7647 >20 1 2 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 Δ 24/22/17 Δ 23/21/15 FLUID DEGRADATION method limit/base current history1 history2 <td>Sodium</td> <td>ppm</td> <td>ASTM D5185m</td> <td></td> <td>63</td> <td>31</td> <td><1</td>	Sodium	ppm	ASTM D5185m		63	31	<1
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Particles >21μm ASTM D7647 >80 53 42 Particles >38μm ASTM D7647 >20 1 2 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 Δ 24/22/17 Δ 23/21/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >6µm		ASTM D7647	>2500		▲ 33343	<u> 10501</u>
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Particles >38μm ASTM D7647 >20 1 2 Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 Δ 24/22/17 Δ 23/21/15 FLUID DEGRADATION method limit/base current history1 history2	Particles >21µm		ASTM D7647	>80		53	42
Particles >71μm ASTM D7647 >4 0 0 Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 24/22/17 ▲ 23/21/15 FLUID DEGRADATION method limit/base current history1 history2	•						2
Oil Cleanliness ISO 4406 (c) >20/18/15 ▲ 24/22/17 ▲ 23/21/15 FLUID DEGRADATION method limit/base current history1 history2	•		ASTM D7647	>4		0	0
							<u>\$\Delta\$ 23/21/15</u>
Acid Number (AN) mg KOH/g ASTM D8045 0.30 0.34 0.47	FLUID DEGRADA	TION	method	limit/base	current	history1	history2
	Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.34	0.47



OIL ANALYSIS REPORT







Laboratory Sample No. Lab Number

: 05748015 **Unique Number** : 10307619

Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TO90002866 : 24 Jan 2023

Diagnosed : 25 Jan 2023 Diagnostician : Don Baldridge

To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - 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)

RICHARDS ENERGY COMPRESSION

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