

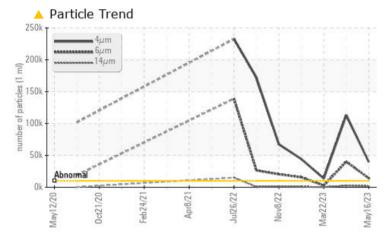
PROBLEM SUMMARY

BOSS PLU PIERCE CANYON 20-24-30 VRT (S/N 117522)

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			ABNORMAL	ABNORMAL	ABNORMAL
Particles >4µm	ASTM D7647	>10000	<u> </u>	1 13208	▲ 13664
Particles >6µm	ASTM D7647	>1300	4202	40161	A 2692
Particles >14µm	ASTM D7647	>320	🔺 1752	A 2498	134
Particles >21µm	ASTM D7647	>80	6 514	5 17	36
Oil Cleanliness	ISO 4406 (c)	>20/17/15	<u> </u>	4 /23/18	1 21/19/14

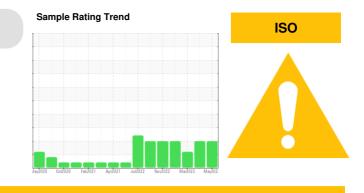
Customer Id: RICHOB Sample No.: TO90003420 Lab Number: 05867358 Test Package: IND 2



To manage this report scan the QR code

To discuss the diagnosis or test data: Doug Bogart +1 (800)237-1369 x4016 <u>dougb@wearcheckusa.com</u>

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



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



28 Apr 2023 Diag: Doug Bogart

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

view report

view report

22 Mar 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.

16 Dec 2022 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 particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.









OIL ANALYSIS REPORT

Machine Id BOSS PLU PIERCE CANYON 20-24-30 VRT (S/N 117522)

Compressor

TULCO LUBSOIL LPG WS 150 (10 GAL)

DIAGNOSIS

A Recommendation

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

Wear

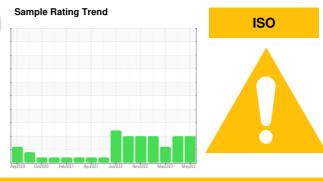
All component wear rates are normal.

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.



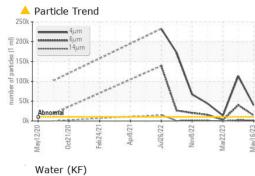
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003420	TO90003397	TO90002852
Sample Date		Client Info		16 May 2023	28 Apr 2023	22 Mar 2023
Machine Age	hrs	Client Info		17320	16930	16668
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	12	8	9
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		0	<1	0
Aluminum	ppm		>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m		۰ <1	<1	<1
Tin	ppm	ASTM D5185m		1	<1	<1
Vanadium	ppm	ASTM D5185m	210	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
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m	0	۰ <1	<1	0
Magnesium	ppm	ASTM D5185m	0	3	2	0
Calcium	ppm	ASTM D5185m		4	2	5
Phosphorus	ppm	ASTM D5185m	0	9	10	6
Zinc		ASTM D5185m		17	14	11
Sulfur	ppm ppm	ASTM D5185m	0	263	230	128
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	1	<1
Sodium	ppm	ASTM D5185m	- 10	7	9	6
Potassium	ppm	ASTM D5185m	>20	4	4	2
Water	%	ASTM D6304		1.05	1.14	0.721
ppm Water	ppm	ASTM D6304	>22600	10500	11400	7210
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	▲ 39829	▲ 113208	▲ 13664
			. 1000	4 14000	A 10161	▲ 2692
Particles >6µm		ASTM D7647	>1300	<u> </u>	<u> </u>	<u> </u>
Particles >6µm Particles >14µm		ASTM D7647 ASTM D7647	>1300 >320	14202 1752	▲ 2498	134
Particles >14µm		ASTM D7647	>320 >80	 1752	4 2498	134
Particles >14μm Particles >21μm		ASTM D7647 ASTM D7647	>320 >80	▲ 1752 ▲ 514	▲ 2498▲ 517	
Particles >14µm Particles >21µm Particles >38µm		ASTM D7647 ASTM D7647 ASTM D7647	>320 >80 >20	 1752 514 16 	 ▲ 2498 ▲ 517 10 	134 36 1
Particles >14µm Particles >21µm		ASTM D7647 ASTM D7647	>320 >80	▲ 1752 ▲ 514	▲ 2498▲ 517	134 36
Particles >14μm Particles >21μm Particles >38μm Particles >71μm	TION	ASTM D7647 ASTM D7647 ASTM D7647 ASTM D7647	>320 >80 >20 >4	 1752 514 16 0 	 2498 517 10 0 	134 36 1 0

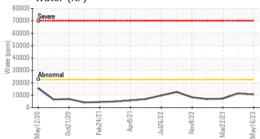


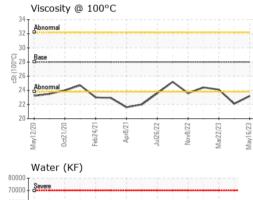
OIL ANALYSIS REPORT

Color

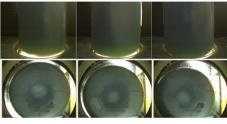
Bottom

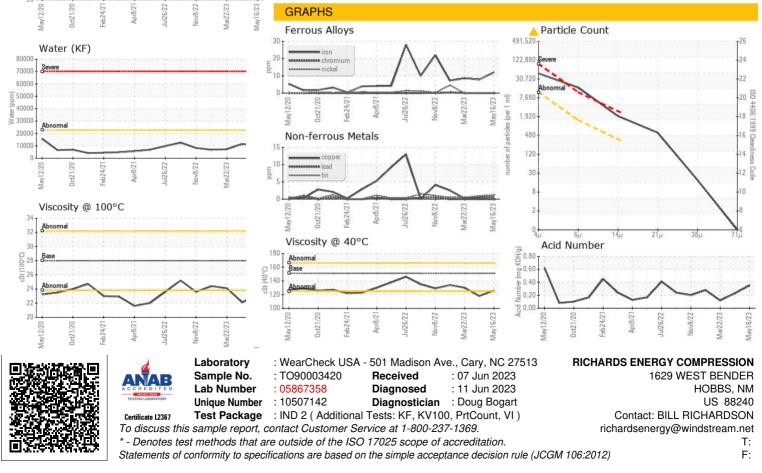






VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG	NEG
FLUID PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	126	118	130
Visc @ 100°C	cSt	ASTM D445	28	23.2	22.1	24.1
Viscosity Index (VI)	Scale	ASTM D2270	224	215	216	218
SAMPLE IMAGES	6	method	limit/base	current	history1	history2





Contact/Location: BILL RICHARDSON - RICHOB