

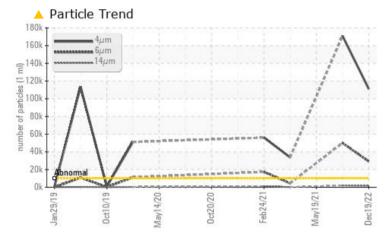
## **PROBLEM SUMMARY**

# BOSS XTO-PLU ROSS RANCH 33-25-30 (S/N 116821)

Compressor

### TULCO LUBSOIL LPG WS 150 (7 GAL)

#### COMPONENT CONDITION SUMMARY



#### 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.

# Sample Rating Trend ISO

PROBLEMATIC TEST RESULTS							
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL	
Particles >4µm		ASTM D7647	>10000	<u> </u>	170976		
Particles >6µm		ASTM D7647	>1300	<u> </u>	▲ 50008		
Particles >14µm		ASTM D7647	>320	<u> </u>	<u> </u>		
Particles >21µm		ASTM D7647	>80	<u> </u>	<b>2</b> 07		
Particles >38µm		ASTM D7647	>20	<b>A</b> 36	5		
Particles >71µm		ASTM D7647	>4	<u> </u>	1		
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<u> </u>	<u> </u>		
Debris	scalar	*Visual	NONE	A MODER	NONE	🔺 MODER	

Customer Id: RICHOB Sample No.: TO90002924 Lab Number: 05747970 Test Package: IND 2



To manage this report scan the QR code

*To discuss the diagnosis or test data:* Don Baldridge +1 <u>don.b505@comcast.net</u>

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

#### **RECOMMENDED ACTIONS**

There are no recommended actions for this sample.

#### **HISTORICAL DIAGNOSIS**

#### 01 Aug 2022 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.

#### 19 May 2021 Diag: Doug Bogart



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. 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.



view report



09 Mar 2021 Diag: Don Baldridge

No corrective action is recommended at this time. 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**

# BOSS XTO-PLU ROSS RANCH 33-25-30 (S/N 116821)

Compressor Fluid TULCO LUBSOIL LPG WS 150 (7 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.

#### Wear

All component wear rates are normal.

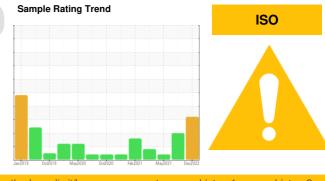
#### Contamination

There is a high amount of particulates present in the oil. 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.

Report Id: RICHOB [WUSCAR] 05747970 (Generated: 12/01/2023 10:35:17) Rev: 1



SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90002924	TO90002493	TO9013032
Sample Date		Client Info		19 Dec 2022	01 Aug 2022	19 May 2021
Machine Age	hrs	Client Info		12363	12123	7780
Oil Age	hrs	Client Info		12363	0	0
Oil Changed	1113	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	4	2	<1
Chromium	ppm	ASTM D5185m		- <1	0	0
Nickel	ppm	ASTM D5185m	>10	4	<1	<1
Titanium	ppm	ASTM D5185m		4	0	0
Silver	ppm	ASTM D5185m		۰ <1	<1	<1
Aluminum	ppm	ASTM D5185m	> 25	<1	<1	0
			>25	0	<1	0
Lead	ppm	ASTM D5185m ASTM D5185m		3	3	1
Copper Tin	ppm			<1	3	<1
	ppm	ASTM D5185m	>10	<1		<1
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		<1 <1	0	0
Cadmium	ppm	ASTM D5185m			0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	5	4
Barium	ppm	ASTM D5185m	0	<1	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	0	<1
Magnesium	ppm	ASTM D5185m	0	0	<1	0
Calcium	ppm	ASTM D5185m	0	<1	0	0
Phosphorus	ppm	ASTM D5185m	0	88	418	12
Zinc	ppm	ASTM D5185m	0	33	9	0
Sulfur	ppm	ASTM D5185m	0	494	107	0
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	1	17	<1
Sodium	ppm	ASTM D5185m		11	2	6
Potassium	ppm	ASTM D5185m	>20	<1	1	0
Water	%	ASTM D6304	>2.26	0.609	0.739	1.07
ppm Water	ppm	ASTM D6304	>22600	6090	7390	10700
FLUID CLEANLIN	ESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>111080</b>	<b>1</b> 70976	
Particles >6µm		ASTM D7647		<u> </u>	▲ 50008	
Particles >14µm		ASTM D7647	>320	<u> </u>	<b>2</b> 030	
Particles >21µm		ASTM D7647	>80	<u> </u>	<b>2</b> 07	
Particles >38µm		ASTM D7647	>20	<u> </u>	5	
Particles >71µm		ASTM D7647	>4	<u> </u>	1	
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>4/22/18</b>	<b>a</b> 25/23/18	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2

Acid Number (AN) mg KOH/g

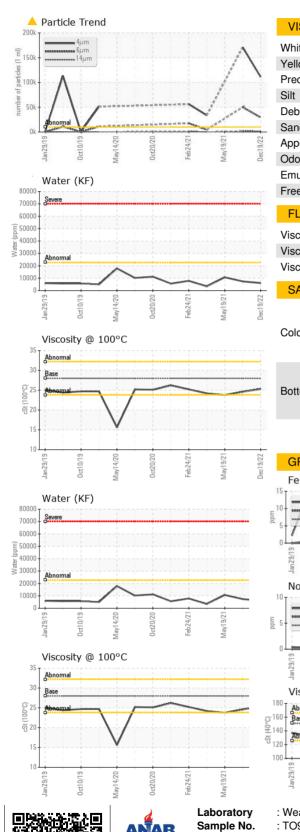
mg KOH/g ASTM D8045

**0.26** 0.38 0.084

Submitted By: BILL RICHARDSON

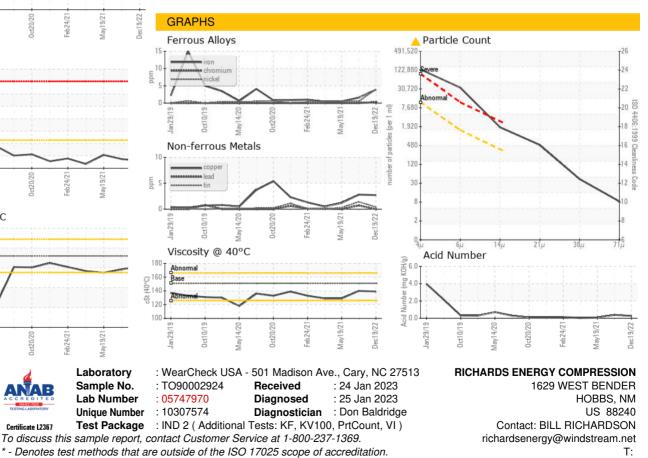


# **OIL ANALYSIS REPORT**



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	🔺 MODER	NONE	🔺 MODER
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 PROPERTIES		method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	139	140	129
Visc @ 100°C	cSt	ASTM D445	28	25.3	24.6	23.8
Viscosity Index (VI)	Scale	ASTM D2270	224	217	209	217
SAMPLE IMAGES	6	method	limit/base	current	history1	history2
Color						

Bottom



Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Certificate L2367

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