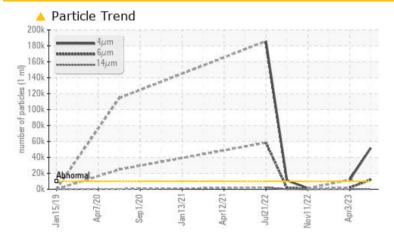


# **PROBLEM SUMMARY**

# BOSS XTO-LEGG FED 1 TANKS (S/N 116498)

Compressor Fluid TULCO LUBSOIL LPG WS 150 (7 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		AE	BNORMAL	ATTENTION	ABNORMAL		
Particles >4µm	ASTM D7647 :	>10000	51755	<b>1</b> 1964			
Particles >6µm	ASTM D7647	>1300 🔺	12155	<b>1</b> 974			
Particles >14µm	ASTM D7647 :	>320	402	54			
Oil Cleanliness	ISO 4406 (c)	>20/17/15 🔺	23/21/16	<b>a</b> 21/18/13			

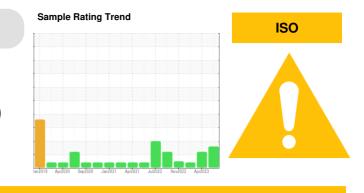
Customer Id: RICHOB Sample No.: TO90003418 Lab Number: 05867320 Test Package: IND 2



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**



03 Apr 2023 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 moderate 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.



view report

## 22 Dec 2022 Diag: Don Baldridge

We recommend you service the filters on this component. 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.

## 11 Nov 2022 Diag: Angela Borella

No corrective action is recommended at this time. Resample at the next service interval to monitor.All component wear rates are normal. The amount and size of particulates present in the system are acceptable. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.









# **OIL ANALYSIS REPORT**

# BOSS XTO-LEGG FED 1 TANKS (S/N 116498)

Compressor Fluid

TULCO LUBSOIL LPG WS 150 (7 GAL)

# DIAGNOSIS

## Recommendation

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

# Wear

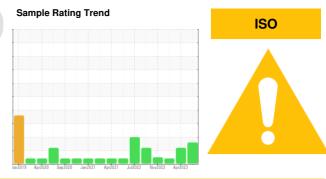
All component wear rates are normal.

# 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.



	ATION		Day 194		1.1.1. A.	1.4 million
SAMPLE INFORM	NATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003418	TO90002794	TO90002920
Sample Date		Client Info		17 May 2023	03 Apr 2023	22 Dec 2022
Machine Age	hrs	Client Info		16086	15695	14103
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	5	6	5
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	4
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	<1	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	<1	0	0
Copper	ppm	ASTM D5185m		2	3	2
Tin	ppm	ASTM D5185m		2	<1	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	5	0	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm		0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	2	1	<1
Calcium	ppm	ASTM D5185m	0	5	11	11
Phosphorus	ppm	ASTM D5185m	0	429	459	468
Zinc	ppm	ASTM D5185m	0	5	16	10
Sulfur	ppm	ASTM D5185m	0	668	533	366
		method	limit/base			
				current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	0	<1
Sodium	ppm	ASTM D5185m		15	27	23
Potassium	ppm	ASTM D5185m	>20	3	2	<1
Water	%	ASTM D6304		0.646	0.660	0.156
ppm Water	ppm	ASTM D6304	>22600	6460	6600	1560
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	<b>51755</b>	11964	
Particles >6µm		ASTM D7647		<u> </u>	<b>1</b> 974	
Particles >14µm		ASTM D7647	>320	<b>402</b>	54	
Particles >21µm		ASTM D7647	>80	44	13	
Particles >38µm		ASTM D7647	>20	1	0	
Particles >71µm		ASTM D7647		0	0	
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>A</b> 23/21/16	<b>1</b> 21/18/13	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.30	0.21	0.38

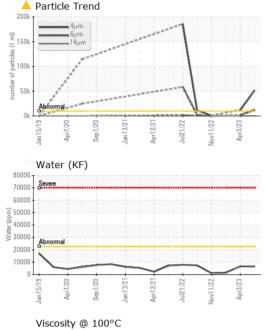
Contact/Location: BILL RICHARDSON - RICHOB

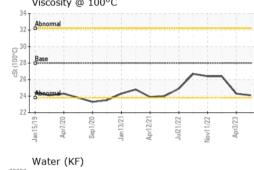


# **OIL ANALYSIS REPORT**

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	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 PROPERT	IES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	134	134	150
Visc @ 100°C	cSt	ASTM D445	28	24.1	24.3	26.4
Viscosity Index (VI)	Scale	ASTM D2270	224	212	214	213
SAMPLE IMAGES	6	method	limit/base	current	history1	history2

