

PROBLEM SUMMARY

Sample Rating Trend

VIS DEBRIS

BOSS XTO-ROSS DRAW 25N-VRT - 121899

Component

Compressor

TULCO LUBSOIL LPG WS 150 (10 GAL)

COMPONENT CONDITION SUMMARY

No relevant graphs to display

RECOMMENDATION

We recommend you service the filters on this component. 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	▲ MODER

Customer Id: RICHOB Sample No.: TO90003439 Lab Number: 05867331 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	Dec 01 2023	?	We recommend you service the filters on this component.
Alert			?	We were unable to perform a particle count due to a high concentration of particles present in this sample.

HISTORICAL DIAGNOSIS

27 Apr 2023 Diag: Doug Bogart

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



06 Dec 2022 Diag: Don Baldridge

VIS DEBRIS



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 acceptable for the time in service.



20 Sep 2022 Diag: Doug Bogart

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 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

Sample Rating Trend

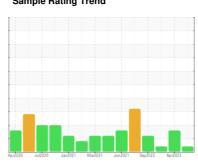
VIS DEBRIS

BOSS XTO-ROSS DRAW 25N-VRT - 121899

Component

Compressor

TULCO LUBSOIL LPG WS 150 (10 GAL)





DIAGNOSIS

Recommendation

We recommend you service the filters on this component. 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.

		Apr2020 J	ul2020 Jan2021 Ma	r2021 Jun2021 Sep2022	Apr2023	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		TO90003439	TO90003394	TO90002737
Sample Date		Client Info		25 May 2023	27 Apr 2023	06 Dec 2022
Machine Age	hrs	Client Info		7184	6558	0
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	3	2	3
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	<1	4
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	0	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	3
Tin	ppm		>15	2	2	<1
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	0	0	0
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	0	0	0
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m	0	1	1	<1
Calcium	ppm	ASTM D5185m	0	<1	2	6
Phosphorus	ppm	ASTM D5185m	0	10	40	29
Zinc	ppm	ASTM D5185m	0	0	0	4
Sulfur	ppm	ASTM D5185m	0	524	491	132
CONTAMINANTS	6	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	2
Sodium	ppm	ASTM D5185m		3	12	13
Potassium	ppm	ASTM D5185m	>20	2	2	1
Water	%	ASTM D6304	>2.26	0.333	0.321	0.624
ppm Water	ppm	ASTM D6304	>22600	3330	3210	6240
FLUID CLEANLIN	NESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000		▲ 30400	
Particles >6µm		ASTM D7647	>2500		<u> </u>	
Particles >14µm		ASTM D7647	>320		426	
Particles >21µm		ASTM D7647	>80		68	
Particles >38µm		ASTM D7647	>20		1	
Particles >71µm		ASTM D7647	>4		0	
Oil Cleanliness		ISO 4406 (c)	>20/18/15		<u>△</u> 22/20/16	
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
	ma VOI I/a	ACTM DODAE		0.111	0.104	0.07

Acid Number (AN)

mg KOH/g ASTM D8045

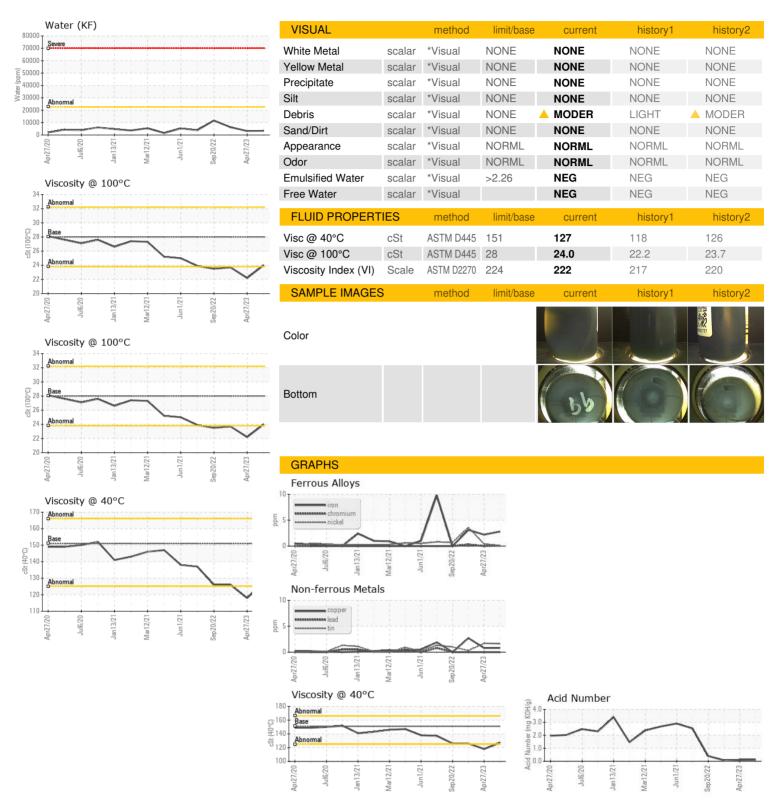
0.104

0.111

0.07



OIL ANALYSIS REPORT







Certificate L2367

Laboratory Sample No. Lab Number

Unique Number : 10507115

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : TO90003439 : 07 Jun 2023 : 05867331 Diagnosed : 10 Jun 2023 Diagnostician : Doug Bogart Test Package : IND 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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T: F: