

PROBLEM SUMMARY

Sample Rating Trend

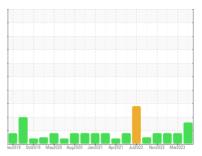


BOSS XTO-BIG EDDY DT 28 TOWER (S/N 116865)

Component

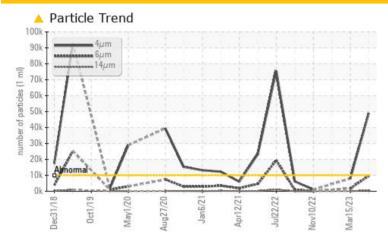
Compressor

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			ABNORMAL	ATTENTION	ABNORMAL	
Particles >4µm	ASTM D7647	>10000	48920	7953		
Particles >6µm	ASTM D7647	>1300	<u> </u>	▲ 1781		
Particles >14µm	ASTM D7647	>320	419	83		
Oil Cleanliness	ISO 4406 (c)	>20/17/15	23/20/16	20/18/14		

Customer Id: RICHOB Sample No.: TO90003365 Lab Number: 05867327 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

15 Mar 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.



22 Dec 2022 Diag: Don Baldridge

SEDIMENT



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. There is a moderate amount of visible silt present in the sample. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.



10 Nov 2022 Diag: Angela Borella

VISCOSITY



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 oil viscosity is lower than normal. The AN level is acceptable for this fluid.





OIL ANALYSIS REPORT

Sample Rating Trend

ISO

history2

BOSS XTO-BIG EDDY DT 28 TOWE

TULCO LUBSOIL LPG WS 150 (7 GAL)

Component Compressor

DIAGNOSIS

Recommendation

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

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.

ER (S/N 116865)				
	lec2018 Oct2019	May2020 Aug2020 Jan2021 A	pr2021 Jul2022 Nov2022	Mw2023
SAMPLE INFORMATION	method	limit/base	current	history1
ample Number	Client Info	то	90003365	TO90002832

Sample Number		Client Info		TO90003365	TO90002832	TO90002625
Sample Date		Client Info		10 May 2023	15 Mar 2023	22 Dec 2022
Machine Age	hrs	Client Info		22898	22898	24735
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	3	6	4
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m		<1	0	3
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	<1
Tin	ppm	ASTM D5185m	>15	1	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<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	0	<1
Magnesium	ppm	ASTM D5185m	0	2	<1	<1
Calcium	ppm	ASTM D5185m	0	4	3	3
Phosphorus	ppm	ASTM D5185m	0	205	506	326
Zinc	ppm	ASTM D5185m	0	0	<1	2
Sulfur	ppm	ASTM D5185m	0	112	58	70
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	<1	<1	<1
Sodium	ppm	ASTM D5185m		6	11	12
Potassium	ppm	ASTM D5185m	>20	2	1	<1
Water	%	ASTM D6304	>2.26	0.709	0.840	0.483
ppm Water	ppm	ASTM D6304	>22600	7090	8400	4830
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	48920	7953	
Particles >6µm		ASTM D7647	>1300	<u>4</u> 9611	<u>▲</u> 1781	
Particles >14µm		ASTM D7647	>320	<u>419</u>	83	
Particles >21µm		ASTM D7647	>80	63	18	
Particles >38µm		ASTM D7647	>20	3	1	
Particles >71µm		ASTM D7647	>4	0	0	
Oil Cleanliness		ISO 4406 (c)	>20/17/15	23/20/16	<u>^</u> 20/18/14	
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.49	0.23	0.33



OIL ANALYSIS REPORT



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