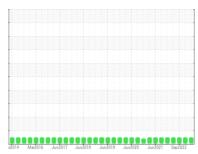


# **OIL ANALYSIS REPORT**

# BOILER ROOM ELLIOTT UTL05016 (S/N BIEU2E297)

Compressor

**FSE TURBO COOL (65 GAL)** 



Sample Rating Trend



### Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

### Contamination

There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

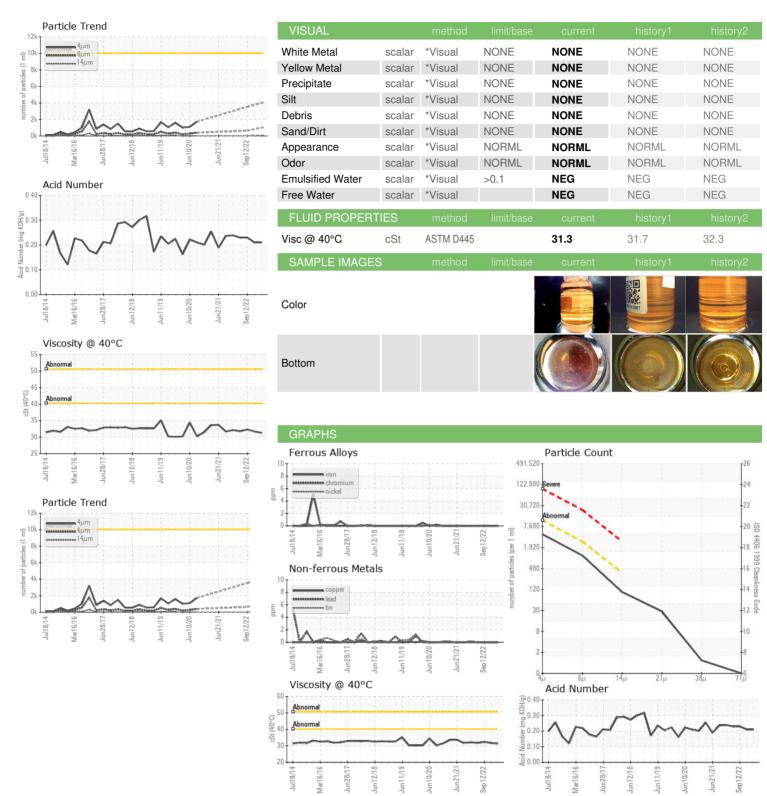
### **Fluid Condition**

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

		12014 Mar21	ounzorr ounzoro	Jun2019 Jun2020 Jun2021	Sep2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0847218	WC0741967	WC0738782
Sample Date		Client Info		27 Sep 2023	28 Dec 2022	12 Sep 2022
Machine Age	hrs	Client Info		74372	67943	65421
Oil Age	hrs	Client Info		17424	362	3965
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	0	0	0
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	0	0	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	0	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	0
Manganese	ppm	ASTM D5185m		0	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		0	0	0
Phosphorus	ppm	ASTM D5185m		385	378	379
Zinc	ppm	ASTM D5185m		0	0	0
Sulfur	ppm	ASTM D5185m		97	142	162
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	4	3	6
Sodium	ppm	ASTM D5185m		0	0	0
Potassium	ppm	ASTM D5185m	>20	<1	0	0
FLUID CLEANLIN	IESS	method	limit/base	current	history1	history2
Particles >4μm		ASTM D7647	>10000	4008		3529
Particles >6μm		ASTM D7647	>2500	1000		646
Particles >14μm		ASTM D7647	>320	90		30
Particles >21µm		ASTM D7647	>80	25		11
Particles >38µm		ASTM D7647	>20	1		7
Particles >71µm		ASTM D7647	>4	0		7
Oil Cleanliness		ISO 4406 (c)	>20/18/15	19/17/14		19/17/12
FLUID DEGRADA	ATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.21	0.21	0.23



## **OIL ANALYSIS REPORT**







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: 05966247 : 10672798

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0847218

Received : 02 Oct 2023 Diagnosed Diagnostician

: 03 Oct 2023 : Don Baldridge

Test Package : IND 2 ( Additional Tests: PrtCount ) 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.

3M - BROOKINGS

PO BOX 5227 BROOKINGS, SD US 57006

Contact: MARK DYKHOUSE mrdykhouse@mmm.com

T: (605)696-1465 F: (605)696-1679

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