



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
BOILER ROOM [1188464]
Machine Id
ELLOITT UTL05015 ELLOITT AIR COMP (S/N A9EU2E013-1)
Component
Compressor
Fluid
FSE TURBOCOOL (65 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0882519	WC0882518	WC0847217
Sample Date		Client Info		17 Jun 2024	22 Mar 2024	27 Sep 2023
Machine Age	hrs	Client Info		95710	93734	89579
Oil Age	hrs	Client Info		0	0	17424
Filter Age	hrs	Client Info		3328	0	4224
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

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	<1	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

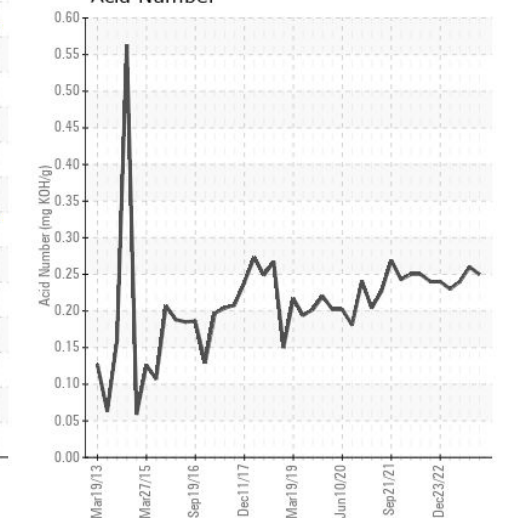
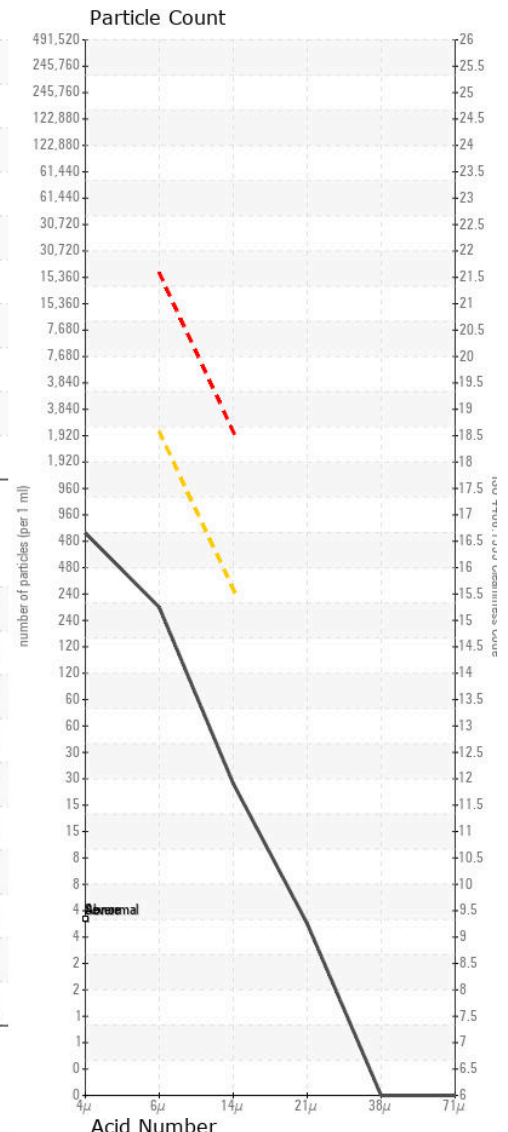
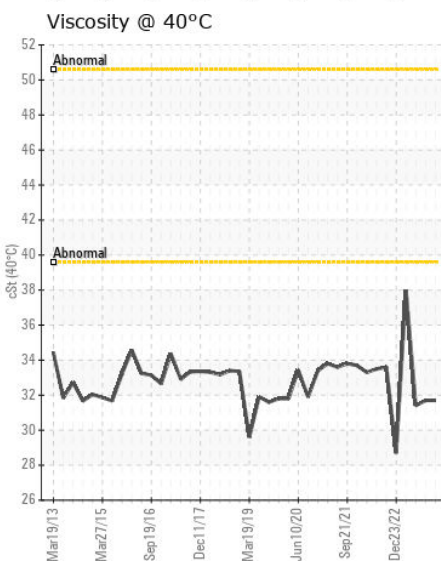
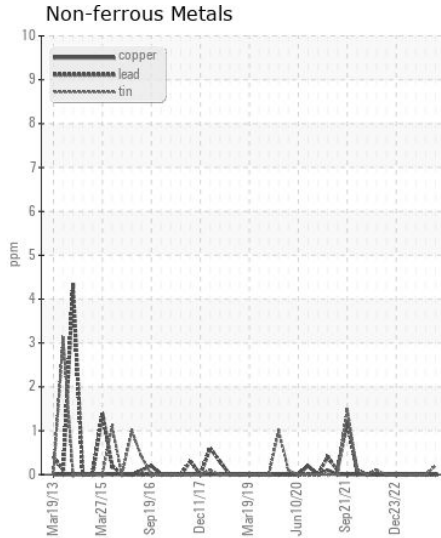
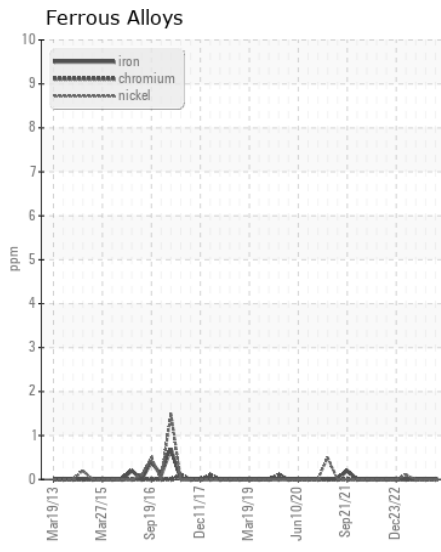
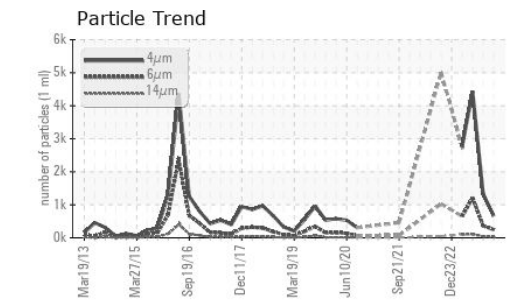
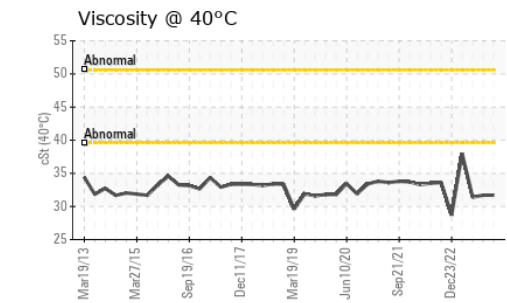
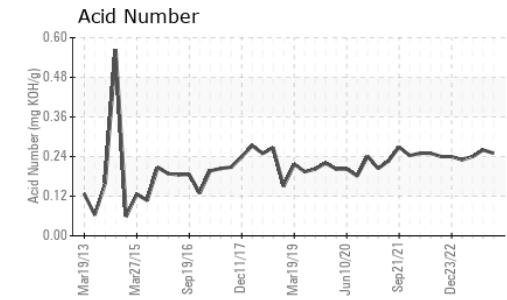
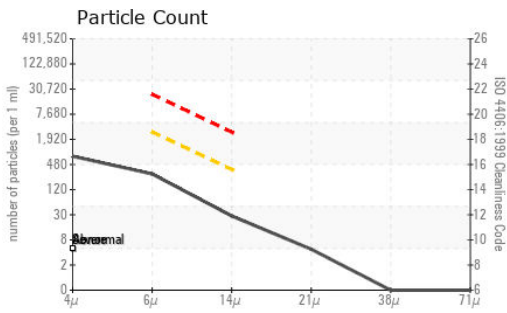
There is no indication of any contamination in the component. The amount and size of particulates present in the system is acceptable.

Silicon	ppm	ASTM D5185m	>25	1	<1	1
Potassium	ppm	ASTM D5185m	>20	2	0	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Particles >4µm		ASTM D7647		664	1335	4428
Particles >6µm		ASTM D7647	>2500	251	368	1211
Particles >14µm		ASTM D7647	>320	25	39	107
Particles >21µm		ASTM D7647	>80	4	11	32
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>-/18/15	17/15/12	18/16/12	19/17/14
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	0	0
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		<1	0	0
Magnesium	ppm	ASTM D5185m		0	0	0
Calcium	ppm	ASTM D5185m		25	9	0
Phosphorus	ppm	ASTM D5185m		447	399	421
Zinc	ppm	ASTM D5185m		5	0	0
Sulfur	ppm	ASTM D5185m		160	114	119
Acid Number (AN)	mg KOH/g	ASTM D8045		0.25	0.26	0.24
Visc @ 40°C	cSt	ASTM D445		31.7	31.7	31.4



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0882519 **Received** : 24 Jun 2024
Lab Number : 06218120 **Tested** : 25 Jun 2024
Unique Number : 11096317 **Diagnosed** : 25 Jun 2024 - Don Baldrige
Test Package : IND 2 (Additional Tests: PrtCount)

3M - BROOKINGS
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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)