



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GATHERING STATIONS/BOA GATHERING STATION [25432]

Machine Id
MRC-202 - BOA 1 (S/N F61957)
Component
Compressor
Fluid
TULCO LUBSOIL LPG WS 150 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO60002717	TO60002552	TO60002561
Sample Date		Client Info		02 Jul 2024	30 May 2024	07 May 2024
Machine Age	hrs	Client Info		25432	24954	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	N/A	N/A
Filter Changed		Client Info		Not Chngd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	3	1	3
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		<1	0	<1
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	4	4	3
Lead	ppm	ASTM D5185m	>25	2	3	4
Copper	ppm	ASTM D5185m	>50	35	33	33
Tin	ppm	ASTM D5185m	>15	4	4	4
Vanadium	ppm	ASTM D5185m		0	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

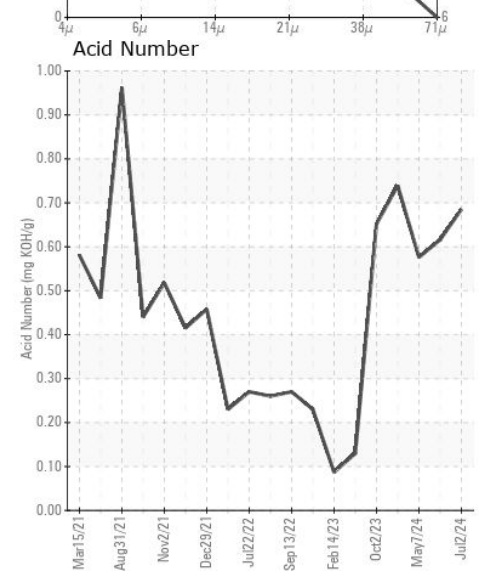
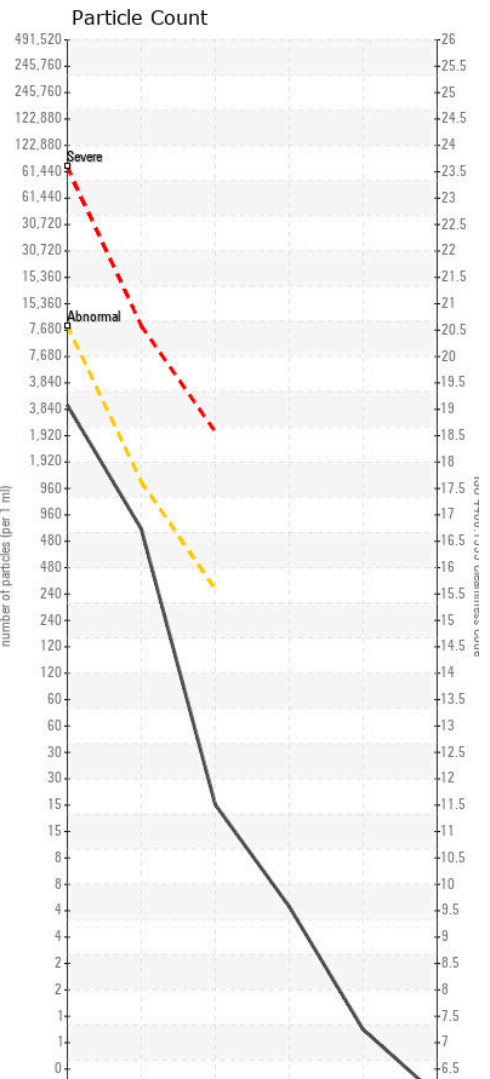
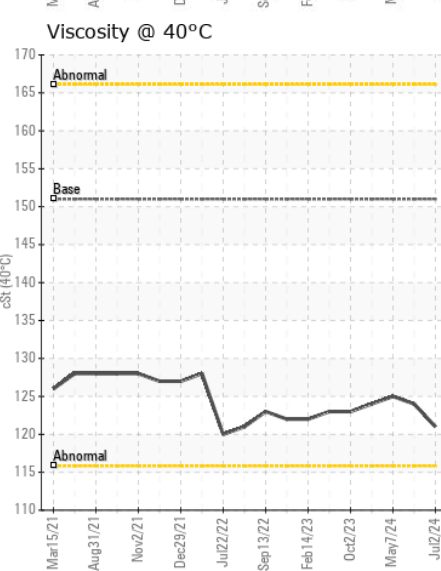
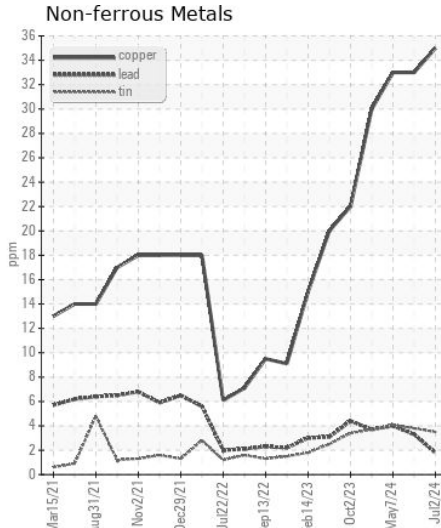
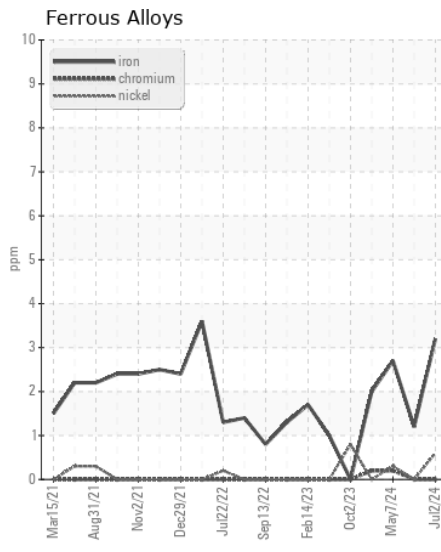
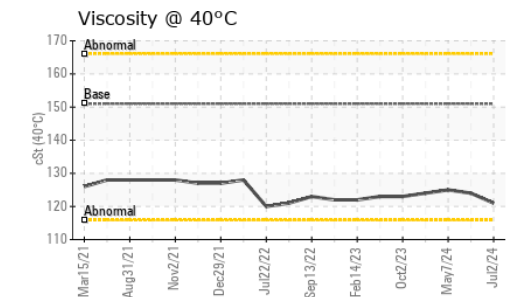
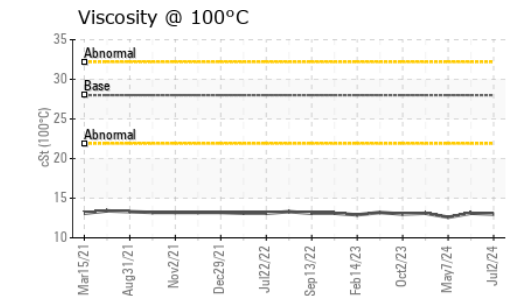
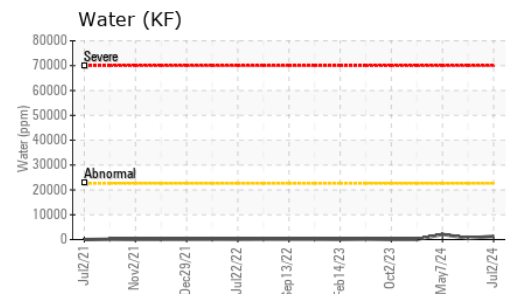
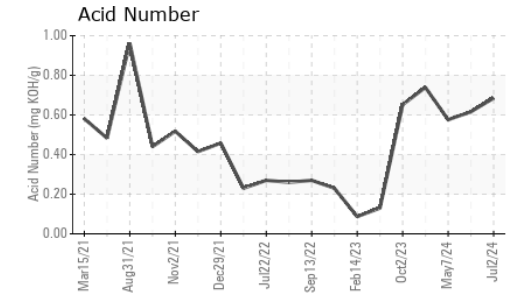
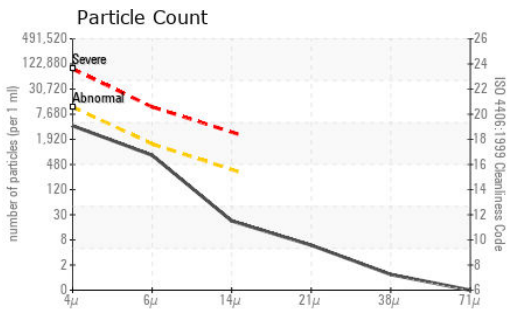
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	3	2	3
Potassium	ppm	ASTM D5185m	>20	2	2	2
Water	%	ASTM D6304	>2.26	0.134	0.056	0.211
ppm Water	ppm	ASTM D6304	>22600	1340	560	2110
Particles >4µm		ASTM D7647	>10000	3541	496	674
Particles >6µm		ASTM D7647	>1300	700	116	99
Particles >14µm		ASTM D7647	>320	19	9	12
Particles >21µm		ASTM D7647	>80	5	2	3
Particles >38µm		ASTM D7647	>20	1	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	19/17/11	16/14/10	17/14/11
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	4	2
Boron	ppm	ASTM D5185m	0	37	48	46
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	3	3	4
Manganese	ppm	ASTM D5185m		2	<1	0
Magnesium	ppm	ASTM D5185m	0	14	14	12
Calcium	ppm	ASTM D5185m	0	1229	1310	1295
Phosphorus	ppm	ASTM D5185m	0	294	296	333
Zinc	ppm	ASTM D5185m	0	339	371	376
Sulfur	ppm	ASTM D5185m	0	2630	2612	2667
Acid Number (AN)	mg KOH/g	ASTM D8045		0.685	0.616	0.576
Visc @ 40°C	cSt	ASTM D445	151	121	124	125
Visc @ 100°C	cSt	ASTM D445	28	13.0	13.1	12.6
Viscosity Index (VI)	Scale	ASTM D2270	224	100	98	91



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002717 **Received** : 16 Jul 2024
Lab Number : 06238454 **Tested** : 18 Jul 2024
Unique Number : 11127288 **Diagnosed** : 18 Jul 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)