



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
GATHERING STATIONS/BOA GATHERING STATION

Machine Id
MRC-202 - ARIEL (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		TO60002315	TO60001475	TO60000724
Sample Date		Client Info		07 Apr 2024	02 Oct 2023	13 Jul 2023
Machine Age	hrs	Client Info		23794	20137	18899
Oil Age	hrs	Client Info		1	0	0
Filter Age	hrs	Client Info		1	0	0
Oil Changed		Client Info		Not Chngd	N/A	Not Chngd
Filter Changed		Client Info		Not Chngd	N/A	Not Chngd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	2	0	1
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>25	3	2	2
Lead	ppm	ASTM D5185m	>25	4	4	3
Copper	ppm	ASTM D5185m	>50	30	22	20
Tin	ppm	ASTM D5185m	>15	4	3	2
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

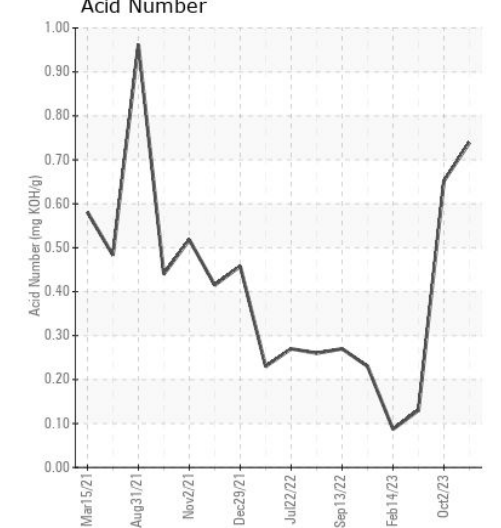
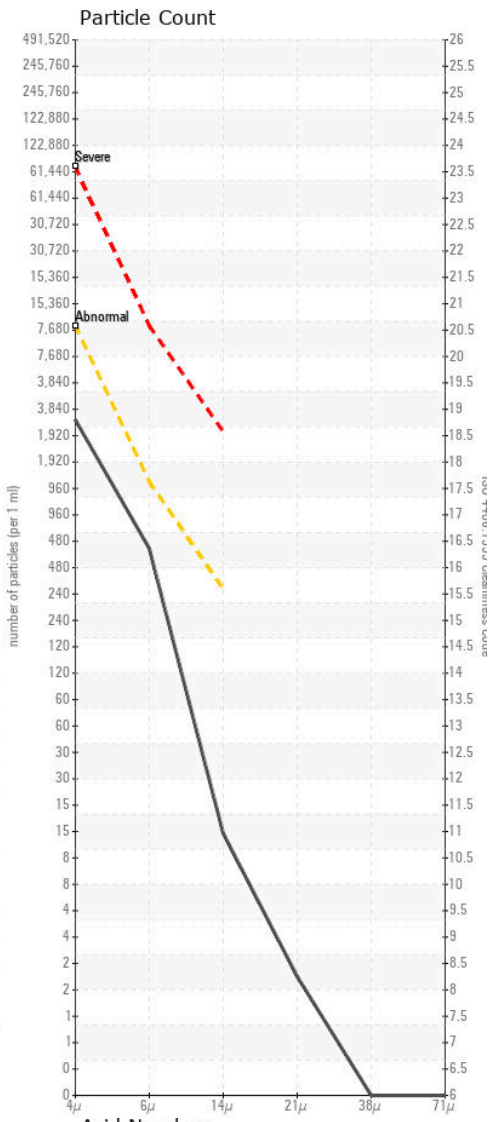
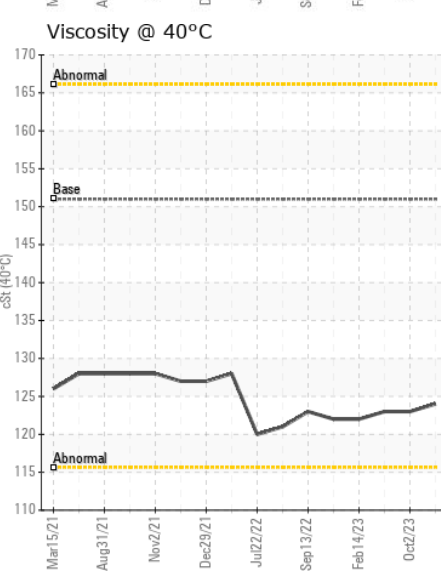
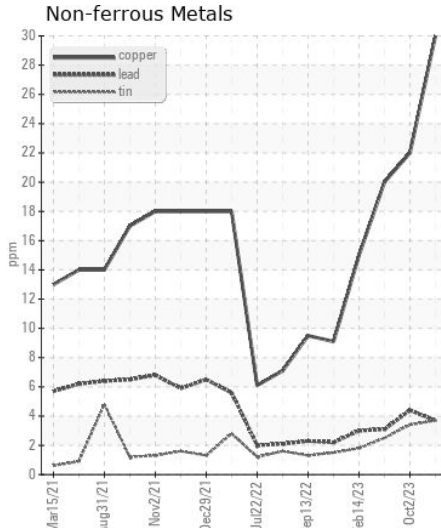
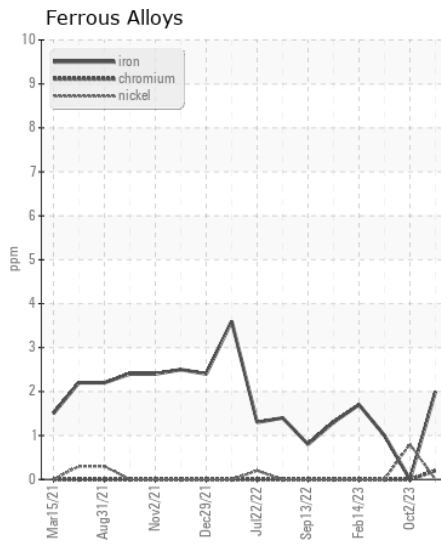
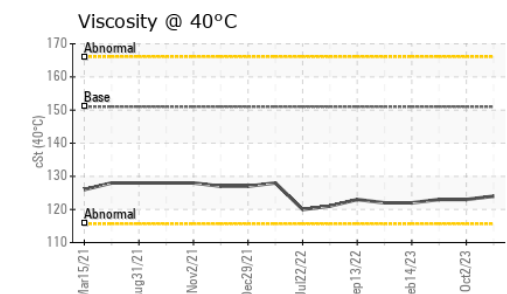
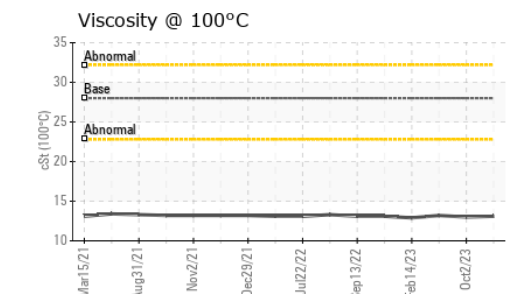
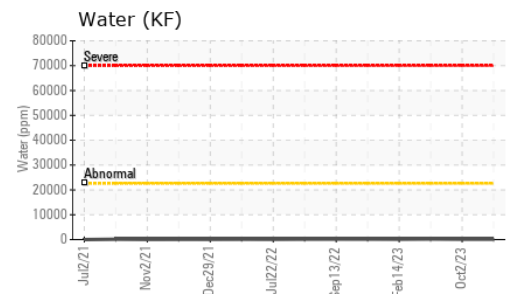
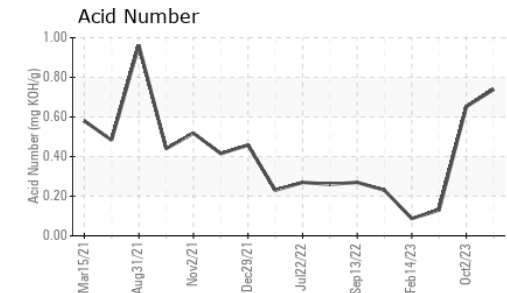
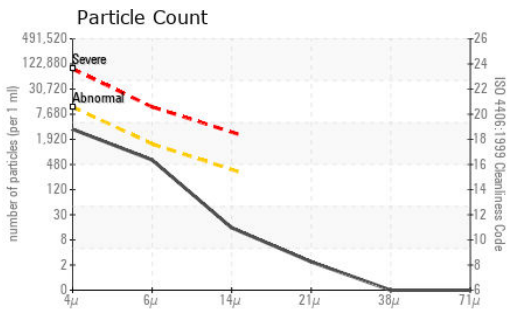
There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

Silicon	ppm	ASTM D5185m	>25	3	2	1
Potassium	ppm	ASTM D5185m	>20	2	2	0
Water	%	ASTM D6304	>2.26	0.005	0.005	0.018
ppm Water	ppm	ASTM D6304	>22600	57	55.4	185.2
Particles >4µm		ASTM D7647	>10000	2922	820	5205
Particles >6µm		ASTM D7647	>1300	541	206	1442
Particles >14µm		ASTM D7647	>320	13	15	79
Particles >21µm		ASTM D7647	>80	2	5	14
Particles >38µm		ASTM D7647	>20	0	0	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	19/16/11	17/15/11	20/18/13
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		2	<1	2
Boron	ppm	ASTM D5185m	0	41	36	48
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	2	4
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	12	16	10
Calcium	ppm	ASTM D5185m	0	1244	1317	1335
Phosphorus	ppm	ASTM D5185m	0	313	298	305
Zinc	ppm	ASTM D5185m	0	355	402	360
Sulfur	ppm	ASTM D5185m	0	2437	2327	2497
Acid Number (AN)	mg KOH/g	ASTM D8045		0.739	0.652	0.13
Visc @ 40°C	cSt	ASTM D445	151	124	123	123
Visc @ 100°C	cSt	ASTM D445	28	13.1	13.0	13.2
Viscosity Index (VI)	Scale	ASTM D2270	224	98	98	101



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002315 **Received** : 19 Apr 2024
Lab Number : 06154471 **Tested** : 22 Apr 2024
Unique Number : 10989894 **Diagnosed** : 23 Apr 2024 - Angela Borella
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)