



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
GATHERING STATIONS/BOA GATHERING STATION

Machine Id
MRC-205 - ARIEL (S/N F62004)

Component
Compressor

Fluid
TULCO LUBSOIL LPG WS 150 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO60002309	TO60000730	TO60000354
Sample Date		Client Info		01 Apr 2024	13 Jul 2023	14 Feb 2023
Machine Age	hrs	Client Info		24045	17805	14743
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	N/A
Filter Changed		Client Info		Not Changd	Not Changd	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

The copper level is abnormal. All other component wear rates are normal.

Iron	ppm	ASTM D5185m	>50	1	1	3
Chromium	ppm	ASTM D5185m	>10	<1	0	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	2	<1	1
Lead	ppm	ASTM D5185m	>25	4	6	10
Copper	ppm	ASTM D5185m	>50	▲ 45	▲ 62	▲ 52
Tin	ppm	ASTM D5185m	>15	3	3	3
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

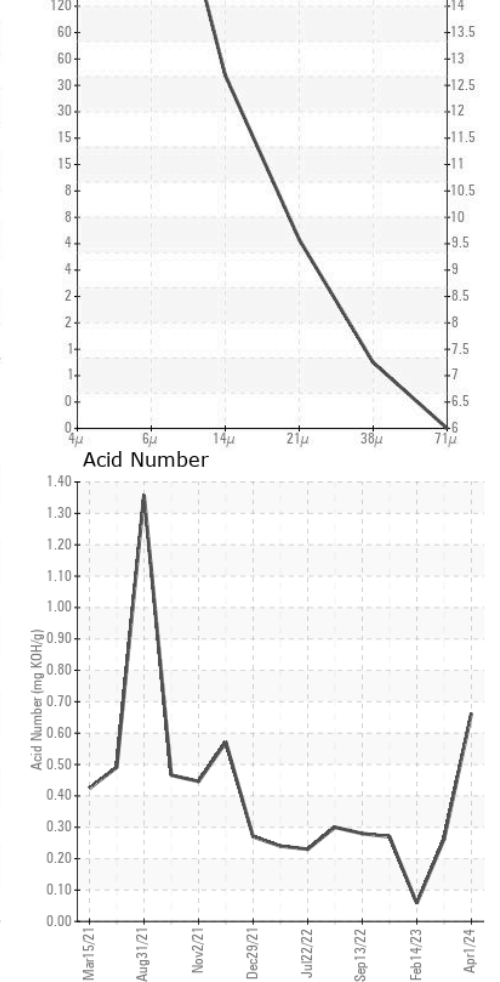
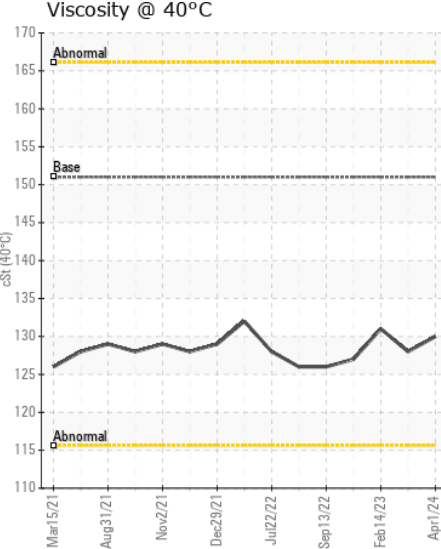
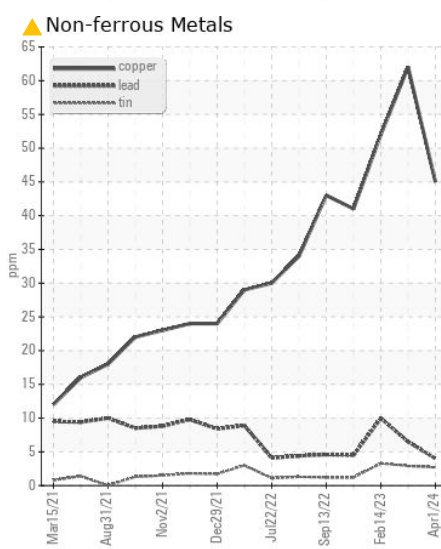
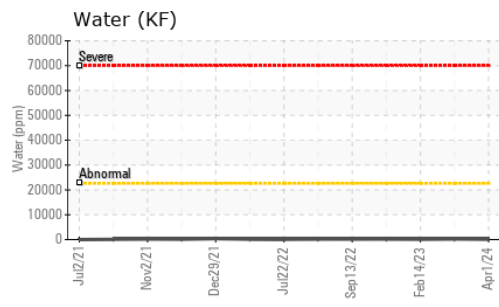
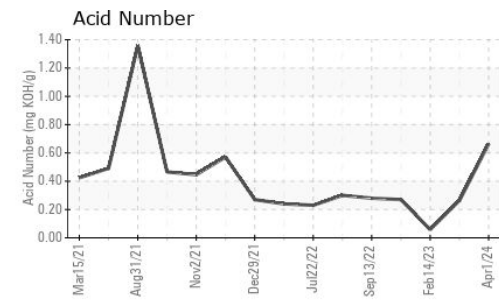
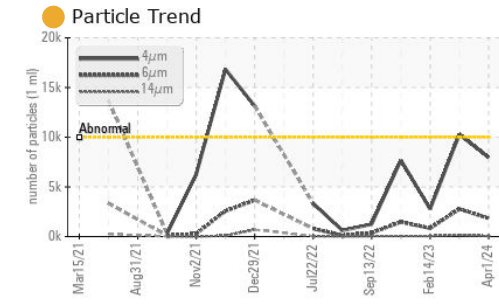
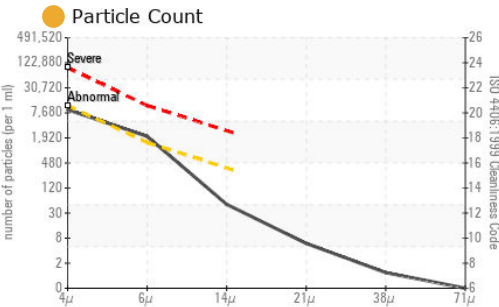
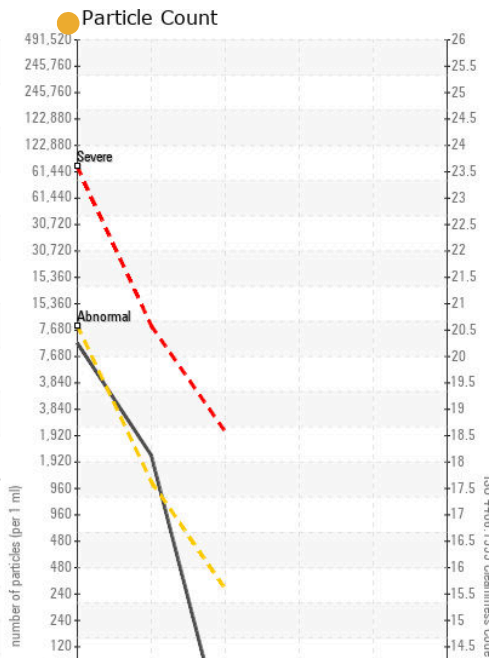
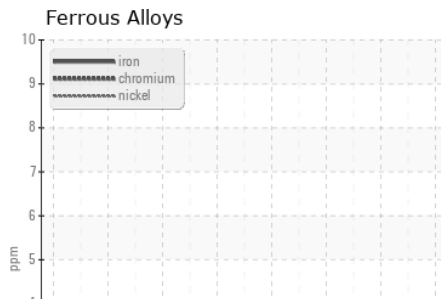
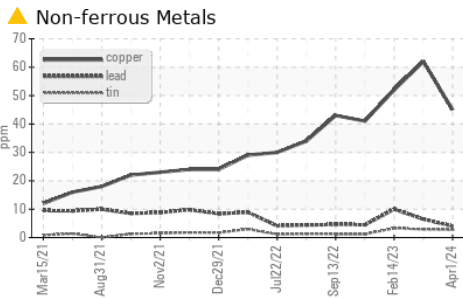
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	2	1	1
Potassium	ppm	ASTM D5185m	>20	2	0	0
Water	%	ASTM D6304	>2.26	0.004	0.022	0.009
ppm Water	ppm	ASTM D6304	>22600	48	228.5	92.7
Particles >4µm		ASTM D7647	>10000	7969	● 10274	2775
Particles >6µm		ASTM D7647	>1300	● 1833	● 2778	835
Particles >14µm		ASTM D7647	>320	43	146	46
Particles >21µm		ASTM D7647	>80	5	23	9
Particles >38µm		ASTM D7647	>20	1	1	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	● 20/18/13	● 21/19/14	19/17/13
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	3	4
Boron	ppm	ASTM D5185m	0	45	78	91
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	2	1
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	8	6	9
Calcium	ppm	ASTM D5185m	0	1311	1316	1302
Phosphorus	ppm	ASTM D5185m	0	311	295	279
Zinc	ppm	ASTM D5185m	0	347	344	317
Sulfur	ppm	ASTM D5185m	0	2754	2118	1638
Acid Number (AN)	mg KOH/g	ASTM D8045		0.663	0.263	0.058
Visc @ 40°C	cSt	ASTM D445	151	130	128	131
Visc @ 100°C	cSt	ASTM D445	28	13.4	13.3	13.3
Viscosity Index (VI)	Scale	ASTM D2270	224	97	97	95



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002309 **Received** : 19 Apr 2024
Lab Number : 06154474 **Tested** : 22 Apr 2024
Unique Number : 10989897 **Diagnosed** : 23 Apr 2024 - Angela Borella
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)
 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)

MIDLAND - EOG RESOURCES INC.
 5509 CHAMPIONS DRIVE
 MIDLAND, TX
 US 79706
 Contact: HERMAN GARZA
 herman_garza@eogresources.com
 T: (432)686-3600
 F: