



# OIL ANALYSIS REPORT

WEAR	<b>NORMAL</b>
CONTAMINATION	<b>ABNORMAL</b>
FLUID CONDITION	<b>NORMAL</b>

## Area GATHERING STATIONS/BOA GATHERING STATION

Machine Id  
**MRC-203 - ARIEL**

Component  
**Compressor**

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

### RECOMMENDATION

Resample at the next service interval to monitor. We were unable to perform a particle count due to a high concentration of particles present in this sample.

### WEAR

All component wear rates are normal.

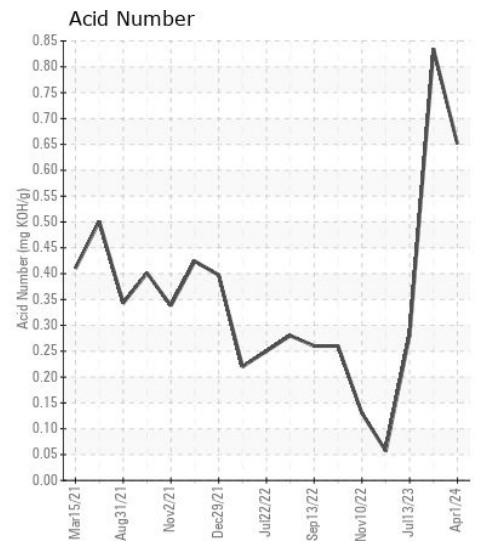
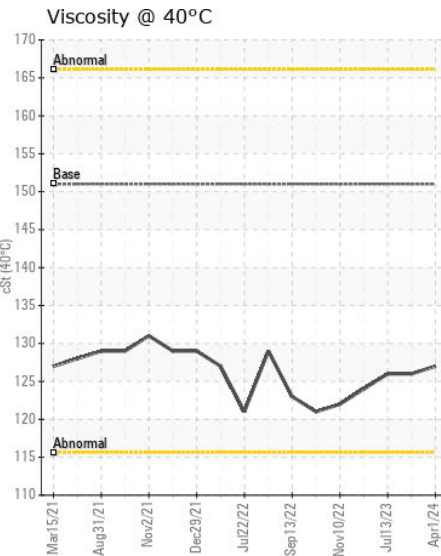
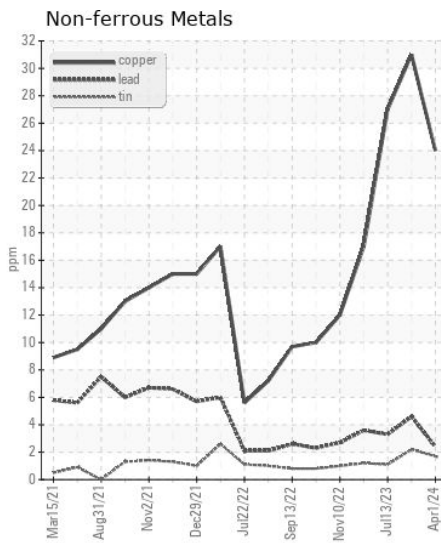
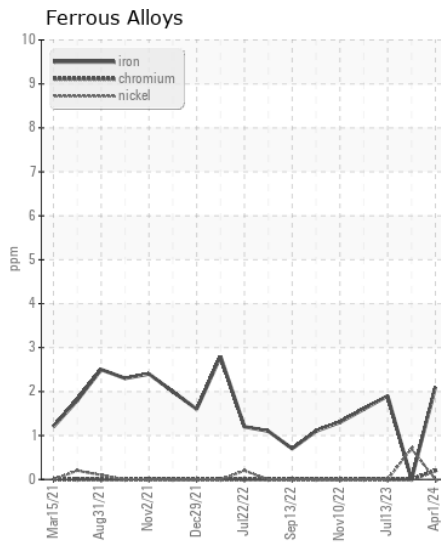
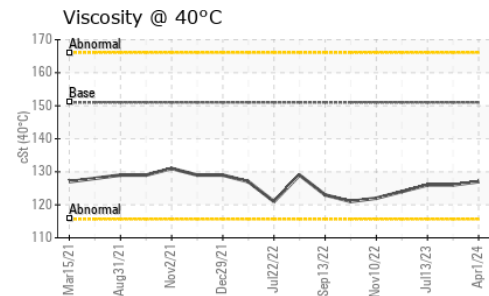
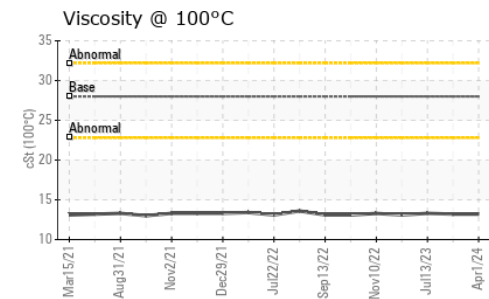
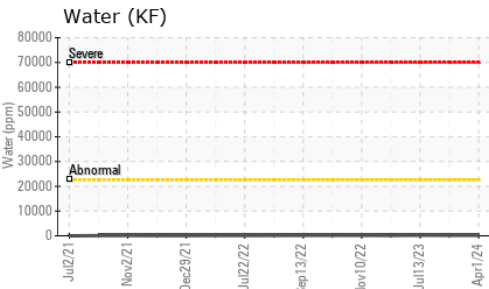
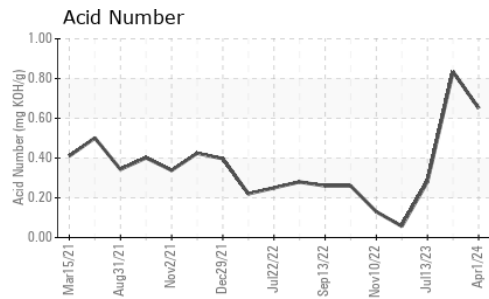
### CONTAMINATION

There is a moderate amount of visible silt present in the sample.

### FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO60002307</b>	TO60001477	TO60000726
Sample Date		Client Info		<b>01 Apr 2024</b>	02 Oct 2023	13 Jul 2023
Machine Age	hrs	Client Info		<b>26298</b>	22170	20542
Oil Age	hrs	Client Info		<b>0</b>	0	0
Filter Age	hrs	Client Info		<b>0</b>	0	0
Oil Changed		Client Info		<b>Not Chngd</b>	N/A	Not Chngd
Filter Changed		Client Info		<b>Not Chngd</b>	N/A	Not Chngd
Sample Status				<b>ABNORMAL</b>	NORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	<b>2</b>	0	2
Chromium	ppm	ASTM D5185m	>10	<b>&lt;1</b>	0	0
Nickel	ppm	ASTM D5185m		<b>0</b>	<1	0
Titanium	ppm	ASTM D5185m		<b>&lt;1</b>	0	0
Silver	ppm	ASTM D5185m		<b>&lt;1</b>	<1	0
Aluminum	ppm	ASTM D5185m	>25	<b>1</b>	1	1
Lead	ppm	ASTM D5185m	>25	<b>2</b>	5	3
Copper	ppm	ASTM D5185m	>50	<b>24</b>	31	27
Tin	ppm	ASTM D5185m	>15	<b>2</b>	2	1
Vanadium	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
White Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	<b>3</b>	2	2
Potassium	ppm	ASTM D5185m	>20	<b>3</b>	1	0
Water	%	ASTM D6304	>2.26	<b>0.013</b>	0.013	0.018
ppm Water	ppm	ASTM D6304	>22600	<b>132</b>	138.7	189.0
Particles >4µm		ASTM D7647	>10000	<b>---</b>	7546	▲ 36569
Particles >6µm		ASTM D7647	>1300	<b>---</b>	1644	▲ 9405
Particles >14µm		ASTM D7647	>320	<b>---</b>	41	▲ 369
Particles >21µm		ASTM D7647	>80	<b>---</b>	7	55
Particles >38µm		ASTM D7647	>20	<b>---</b>	0	2
Particles >71µm		ASTM D7647	>4	<b>---</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>---</b>	20/18/13	▲ 22/20/16
Silt	scalar	*Visual	NONE	<b>▲ MODER</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	<b>NEG</b>	NEG	NEG
Sodium	ppm	ASTM D5185m		<b>4</b>	<1	2
Boron	ppm	ASTM D5185m	0	<b>36</b>	48	64
Barium	ppm	ASTM D5185m	0	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>2</b>	1	3
Manganese	ppm	ASTM D5185m		<b>0</b>	<1	<1
Magnesium	ppm	ASTM D5185m	0	<b>9</b>	18	11
Calcium	ppm	ASTM D5185m	0	<b>1240</b>	1320	1379
Phosphorus	ppm	ASTM D5185m	0	<b>310</b>	295	313
Zinc	ppm	ASTM D5185m	0	<b>338</b>	392	366
Sulfur	ppm	ASTM D5185m	0	<b>3204</b>	2125	2392
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.651</b>	0.834	0.281
Visc @ 40°C	cSt	ASTM D445	151	<b>127</b>	126	126
Visc @ 100°C	cSt	ASTM D445	28	<b>13.2</b>	13.2	13.3
Viscosity Index (VI)	Scale	ASTM D2270	224	<b>97</b>	98	99



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002307  
**Lab Number** : 06154473  
**Unique Number** : 10989896  
**Test Package** : MOB 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**MIDLAND - EOG RESOURCES INC.**  
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 F:

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)