



# OIL ANALYSIS REPORT

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

Machine Id  
**MRC-326**  
 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.

## WEAR

All component wear rates are normal.

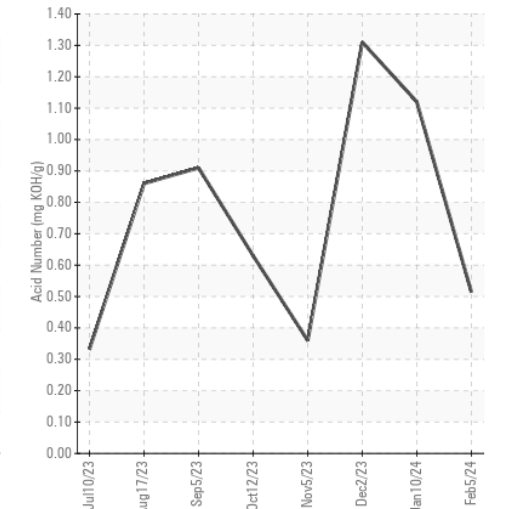
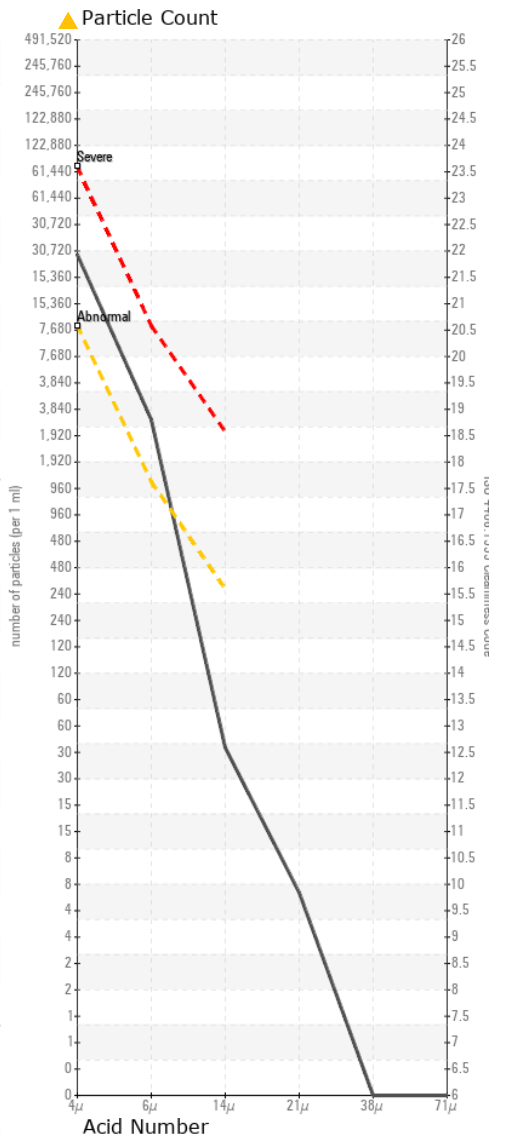
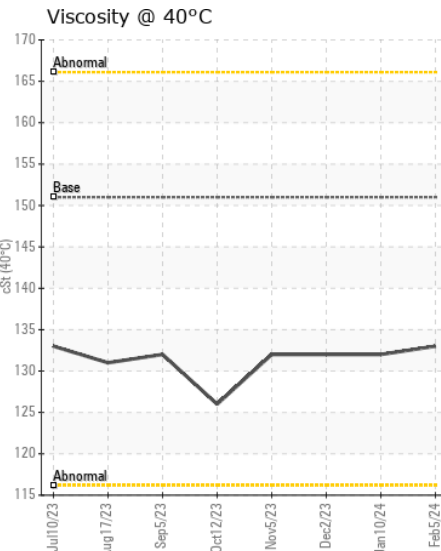
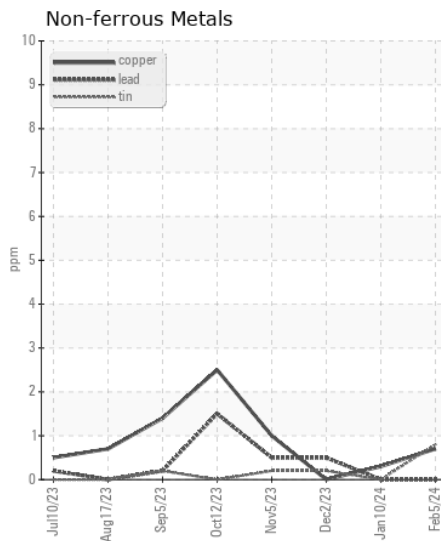
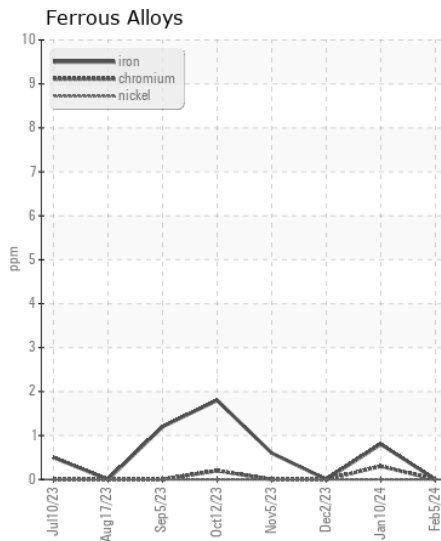
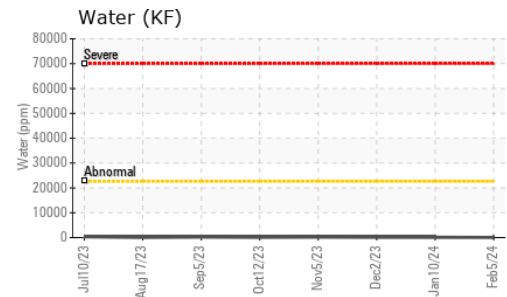
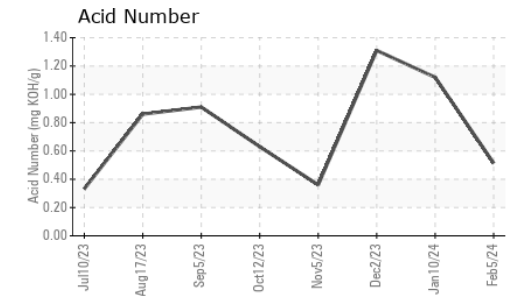
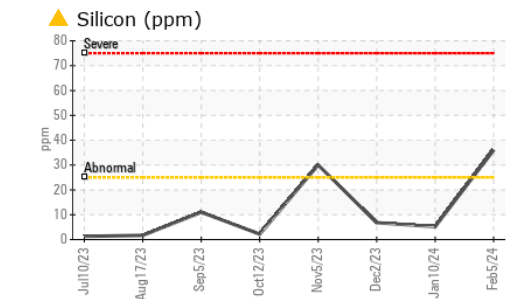
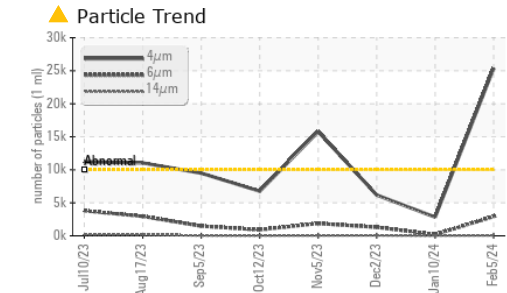
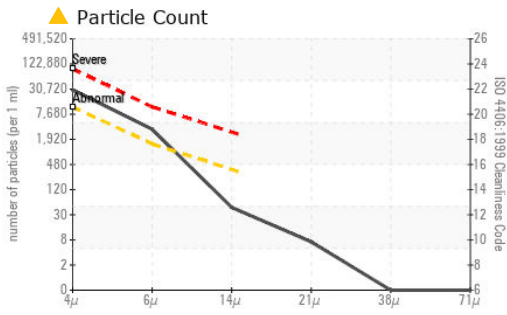
## CONTAMINATION

There is a high amount of silt (particulates < 14 microns in size) present in the oil. Elemental level of silicon (Si) above normal.

## FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		<b>TO60002158</b>	TO60001989	TO60001923
Sample Date		Client Info		<b>05 Feb 2024</b>	10 Jan 2024	02 Dec 2023
Machine Age	hrs	Client Info		<b>5926</b>	5440	4230
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>N/A</b>	N/A	Not Changd
Filter Changed		Client Info		<b>N/A</b>	N/A	Not Changd
Sample Status				<b>ABNORMAL</b>	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	<b>0</b>	<1	0
Chromium	ppm	ASTM D5185m	>10	<b>0</b>	<1	0
Nickel	ppm	ASTM D5185m		<b>0</b>	0	0
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	0	0
Aluminum	ppm	ASTM D5185m	>25	<b>&lt;1</b>	2	<1
Lead	ppm	ASTM D5185m	>25	<b>0</b>	0	<1
Copper	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	0
Tin	ppm	ASTM D5185m	>15	<b>&lt;1</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
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>▲ 36</b>	5	7
Potassium	ppm	ASTM D5185m	>20	<b>1</b>	4	3
Water	%	ASTM D6304	>2.26	<b>0.00</b>	0.007	0.011
ppm Water	ppm	ASTM D6304	>22600	<b>0</b>	75	114
Particles >4µm		ASTM D7647	>10000	<b>▲ 25361</b>	2832	6177
Particles >6µm		ASTM D7647	>1300	<b>▲ 2928</b>	197	1306
Particles >14µm		ASTM D7647	>320	<b>40</b>	10	59
Particles >21µm		ASTM D7647	>80	<b>6</b>	3	10
Particles >38µm		ASTM D7647	>20	<b>0</b>	0	1
Particles >71µm		ASTM D7647	>4	<b>0</b>	0	1
Oil Cleanliness		ISO 4406 (c)	>20/17/15	<b>▲ 22/19/12</b>	19/15/10	20/18/13
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
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>8</b>	0	3
Boron	ppm	ASTM D5185m	0	<b>66</b>	31	91
Barium	ppm	ASTM D5185m	0	<b>0</b>	3	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m		<b>&lt;1</b>	0	<1
Magnesium	ppm	ASTM D5185m	0	<b>9</b>	5	9
Calcium	ppm	ASTM D5185m	0	<b>1235</b>	1223	1235
Phosphorus	ppm	ASTM D5185m	0	<b>290</b>	328	270
Zinc	ppm	ASTM D5185m	0	<b>309</b>	299	299
Sulfur	ppm	ASTM D5185m	0	<b>2578</b>	4817	2006
Acid Number (AN)	mg KOH/g	ASTM D8045		<b>0.514</b>	1.12	1.31
Visc @ 40°C	cSt	ASTM D445	151	<b>133</b>	132	132
Visc @ 100°C	cSt	ASTM D445	28	<b>13.7</b>	13.5	13.5
Viscosity Index (VI)	Scale	ASTM D2270	224	<b>98</b>	96	96



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002158 **Received** : 13 Feb 2024  
**Lab Number** : 06087270 **Tested** : 14 Feb 2024  
**Unique Number** : 10874715 **Diagnosed** : 14 Feb 2024 - Don Baldrige  
**Test Package** : MOB 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**MIDLAND - EOG RESOURCES INC.**  
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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)