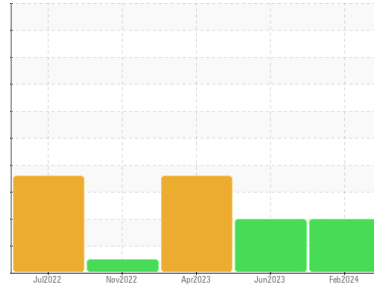


# OIL ANALYSIS REPORT

Sample Rating Trend



Area  
**COMPRESSOR STATIONS/RED HILLS WEST AREA**  
 Machine Id  
**BOA (S/N AS119008)**  
 Component  
**Compressor**  
 Fluid  
**TULCO LUBSOIL LPG WS 150 (10 GAL)**

## DIAGNOSIS

### Recommendation

We recommend you service the filters on this component. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of particulates present in the oil.

### Fluid Condition

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

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		<b>TO60002033</b>	TO60000785	TO60000826
Sample Date	Client Info		<b>06 Feb 2024</b>	12 Jun 2023	14 Apr 2023
Machine Age	hrs	Client Info	<b>1464</b>	0	0
Oil Age	hrs	Client Info	<b>1464</b>	0	0
Oil Changed	Client Info		<b>N/A</b>	Changed	N/A
Sample Status			<b>ABNORMAL</b>	ABNORMAL	ABNORMAL

WEAR METALS	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >50	<b>15</b>	<1	5
Chromium	ppm	ASTM D5185m >10	<b>&lt;1</b>	0	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>2</b>	<1	0
Lead	ppm	ASTM D5185m >25	<b>0</b>	0	0
Copper	ppm	ASTM D5185m >50	<b>&lt;1</b>	0	<1
Tin	ppm	ASTM D5185m >15	<b>0</b>	<1	<1
Vanadium	ppm	ASTM D5185m	<b>0</b>	<1	0
Cadmium	ppm	ASTM D5185m	<b>0</b>	0	0

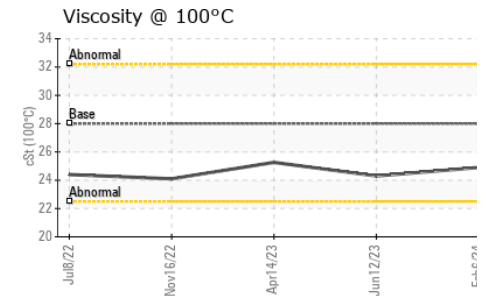
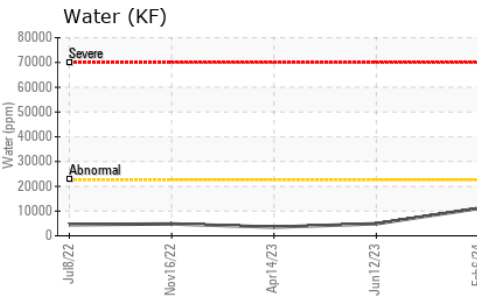
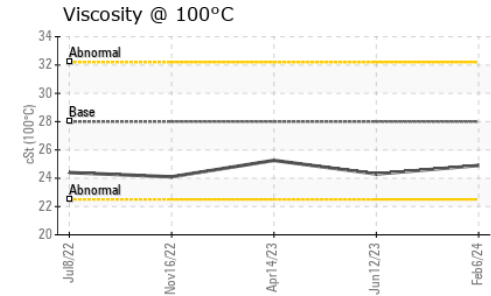
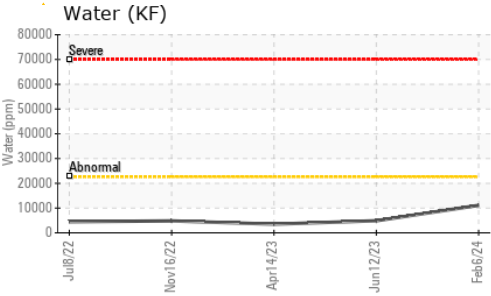
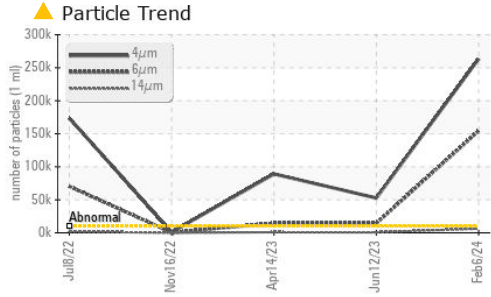
ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 0	<b>0</b>	0	0
Barium	ppm	ASTM D5185m 0	<b>8</b>	0	0
Molybdenum	ppm	ASTM D5185m 0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	<b>0</b>	0	<1
Magnesium	ppm	ASTM D5185m 0	<b>2</b>	3	2
Calcium	ppm	ASTM D5185m 0	<b>18</b>	0	12
Phosphorus	ppm	ASTM D5185m 0	<b>42</b>	11	50
Zinc	ppm	ASTM D5185m 0	<b>7</b>	0	8
Sulfur	ppm	ASTM D5185m 0	<b>550</b>	251	1238

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >25	<b>0</b>	0	0
Sodium	ppm	ASTM D5185m	<b>43</b>	<1	20
Potassium	ppm	ASTM D5185m >20	<b>5</b>	2	<1
Water	%	ASTM D6304 >2.26	<b>1.11</b>	0.488	0.350
ppm Water	ppm	ASTM D6304 >22600	<b>11100</b>	4881.8	3500

FLUID CLEANLINESS	method	limit/base	current	history1	history2
Particles >4µm	ASTM D7647	>10000	<b>▲ 263321</b>	▲ 52700	▲ 89113
Particles >6µm	ASTM D7647	>1300	<b>▲ 154340</b>	▲ 14324	▲ 14724
Particles >14µm	ASTM D7647	>320	<b>▲ 6203</b>	▲ 661	▲ 906
Particles >21µm	ASTM D7647	>80	<b>▲ 270</b>	▲ 94	▲ 276
Particles >38µm	ASTM D7647	>20	<b>3</b>	1	11
Particles >71µm	ASTM D7647	>4	<b>0</b>	0	2
Oil Cleanliness	ISO 4406 (c)	>20/17/15	<b>▲ 25/24/20</b>	▲ 23/21/17	▲ 24/21/17

FLUID DEGRADATION	method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	<b>0.45</b>	0.096	0.44

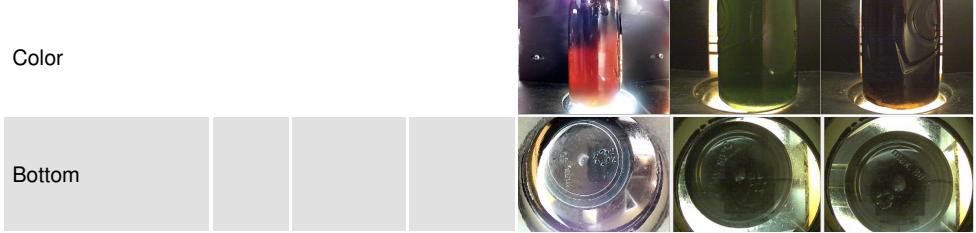
# OIL ANALYSIS REPORT



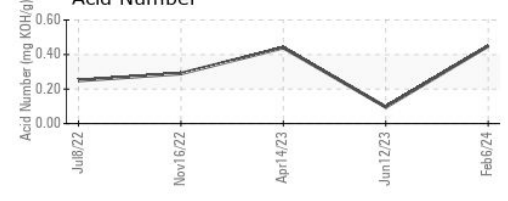
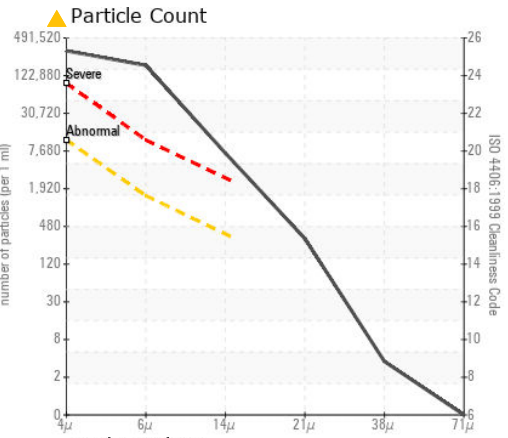
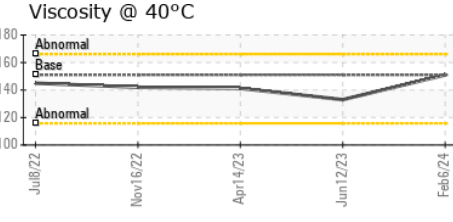
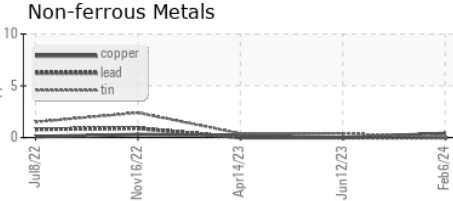
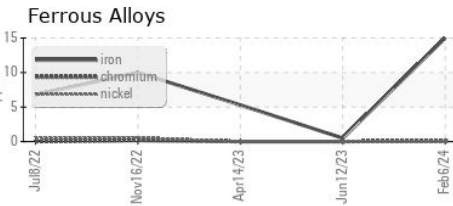
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	LIGHT
Debris	scalar	*Visual	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>2.26	NEG	0.2%
Free Water	scalar	*Visual		NEG	▲ 10.0

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	133	141.2
Visc @ 100°C	cSt	ASTM D445	28	24.3	25.26
Viscosity Index (VI)	Scale	ASTM D2270	224	216	214

SAMPLE IMAGES	method	limit/base	current	history1	history2
---------------	--------	------------	---------	----------	----------



## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60002033  
**Lab Number** : 06100918  
**Unique Number** : 10899148  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )  
**Received** : 26 Feb 2024  
**Tested** : 27 Feb 2024  
**Diagnosed** : 28 Feb 2024 - Don Baldrige

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@egoresources.com  
 T: (432)686-3600  
 F: