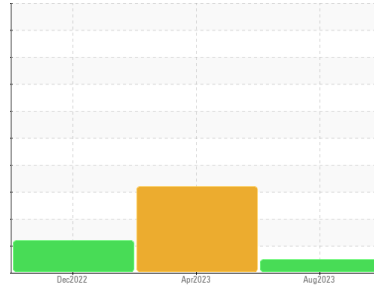


# OIL ANALYSIS REPORT

Sample Rating Trend



**NORMAL**



Area  
**COMPRESSOR STATIONS/RED HILLS EAST AREA**  
Machine Id  
**TRAPPER (S/N UTY452712)**

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

**DIAGNOSIS**

**Recommendation**

Resample at the next service interval to monitor. ( Customer Sample Comment: Top Up Amount: 5 GAL )

**Wear**

All component wear rates are normal.

**Contamination**

The amount and size of particulates present in the system are acceptable. There is no indication of any contamination 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>TO60001218</b>	TO70000260	TO70000204
Sample Date	Client Info			<b>15 Aug 2023</b>	11 Apr 2023	20 Dec 2022
Machine Age	hrs	Client Info		<b>12835</b>	12954	9425
Oil Age	hrs	Client Info		<b>12835</b>	9425	0
Oil Changed	Client Info			<b>Oil Added</b>	Filtered	Not Chngd
Sample Status				<b>NORMAL</b>	ABNORMAL	ABNORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<1	2	6
Chromium	ppm	ASTM D5185m	>10	0	0	0
Nickel	ppm	ASTM D5185m		<1	<1	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>25	3	0	<1
Lead	ppm	ASTM D5185m	>25	0	0	<1
Copper	ppm	ASTM D5185m	>50	0	0	0
Tin	ppm	ASTM D5185m	>15	1	<1	2
Vanadium	ppm	ASTM D5185m		0	<1	0
Cadmium	ppm	ASTM D5185m		0	<1	0

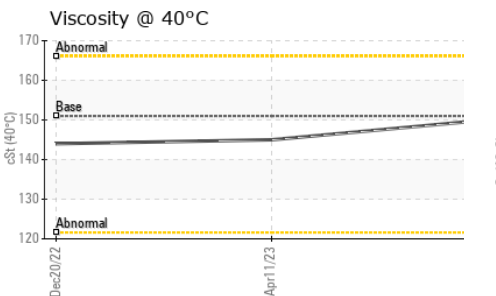
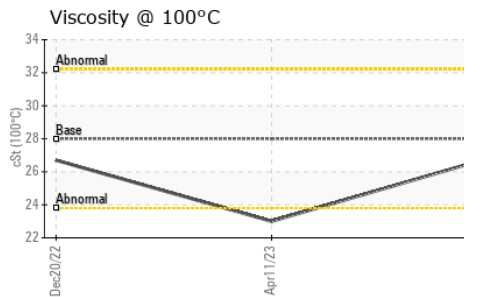
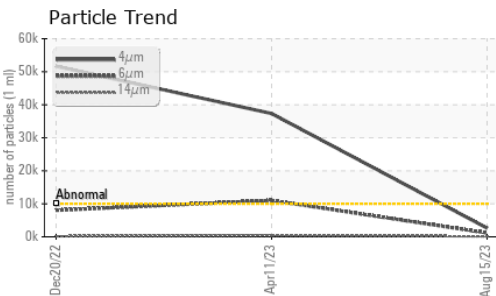
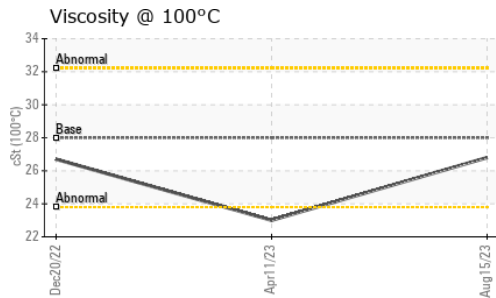
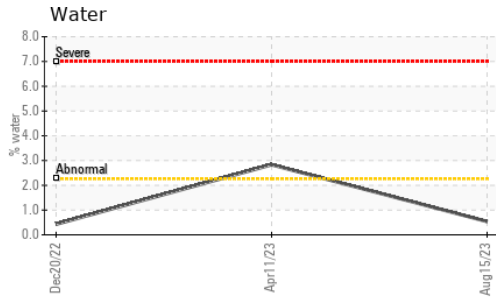
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0	1	9	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		0	0	<1
Magnesium	ppm	ASTM D5185m	0	1	<1	1
Calcium	ppm	ASTM D5185m	0	0	1	3
Phosphorus	ppm	ASTM D5185m	0	518	466	472
Zinc	ppm	ASTM D5185m	0	0	2	4
Sulfur	ppm	ASTM D5185m	0	335	230	389

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	0	<1	<1
Sodium	ppm	ASTM D5185m		10	10	21
Potassium	ppm	ASTM D5185m	>20	4	1	2
Water	%	ASTM D6304	>2.26	0.537	▲ 2.83	0.426
ppm Water	ppm	ASTM D6304	>22600	5372.6	▲ 28300	4260

FLUID CLEANLINESS		method	limit/base	current	history1	history2
Particles >4µm		ASTM D7647	>10000	2631	▲ 37340	▲ 51666
Particles >6µm		ASTM D7647	>1300	1168	▲ 11009	▲ 8023
Particles >14µm		ASTM D7647	>320	121	▲ 428	161
Particles >21µm		ASTM D7647	>80	27	56	26
Particles >38µm		ASTM D7647	>20	0	2	1
Particles >71µm		ASTM D7647	>4	0	1	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	19/17/14	▲ 22/21/16	▲ 23/20/15

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045		0.42	0.53	0.35

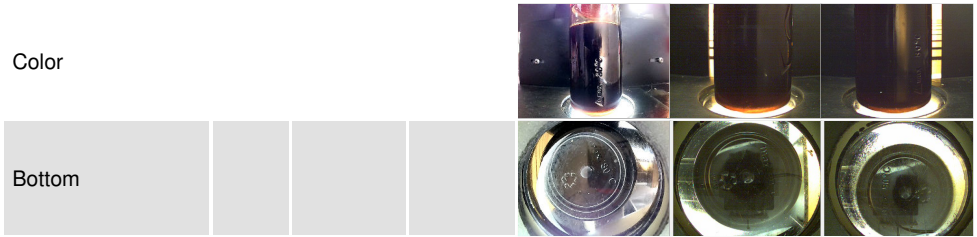
# OIL ANALYSIS REPORT



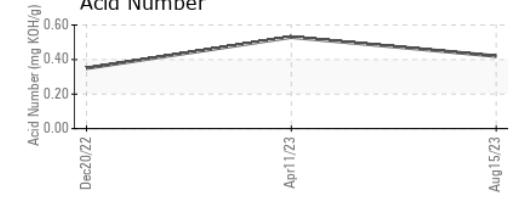
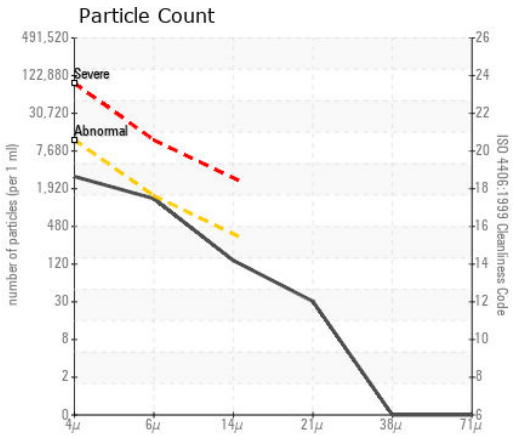
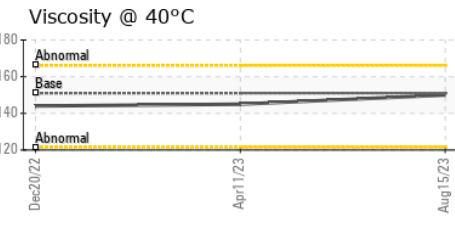
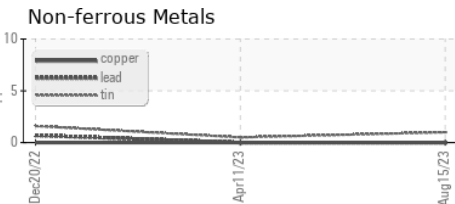
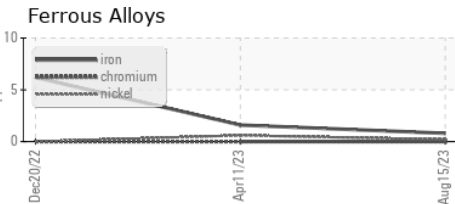
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance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

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	151	150	145
Visc @ 100°C	cSt	ASTM D445	28	26.8	23.0
Viscosity Index (VI)	Scale	ASTM D2270	224	216	188

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : TO60001218 **Received** : 29 Aug 2023  
**Lab Number** : 05937897 **Diagnosed** : 31 Aug 2023  
**Unique Number** : 10628509 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2 ( Additional Tests: KF, KV100, PrtCount, VI )

**MIDLAND - EOG RESOURCES INC.**  
 5509 CHAMPIONS DRIVE  
 MIDLAND, TX  
 US 79706  
 Contact: HERMAN GARZA  
 herman\_garza@egoresources.com  
 T: (432)686-3600  
 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)