



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Area
5509 CHAMPIONS DR
 Machine Id
MRC-292
 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		TO60002933	TO60002700	TO60002595
Sample Date		Client Info		09 Jul 2024	31 May 2024	01 May 2024
Machine Age	hrs	Client Info		11066	10953	10335
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ATTENTION	ATTENTION	ABNORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

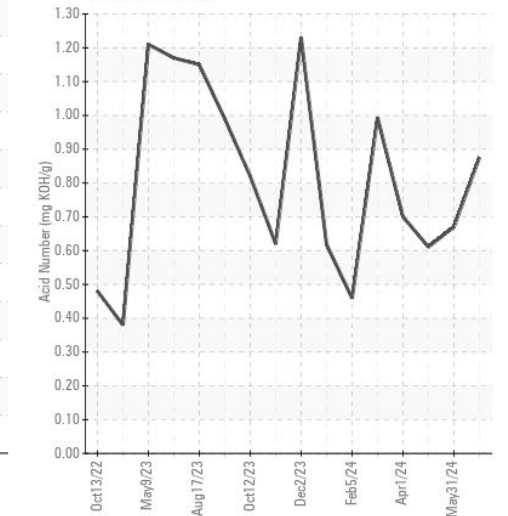
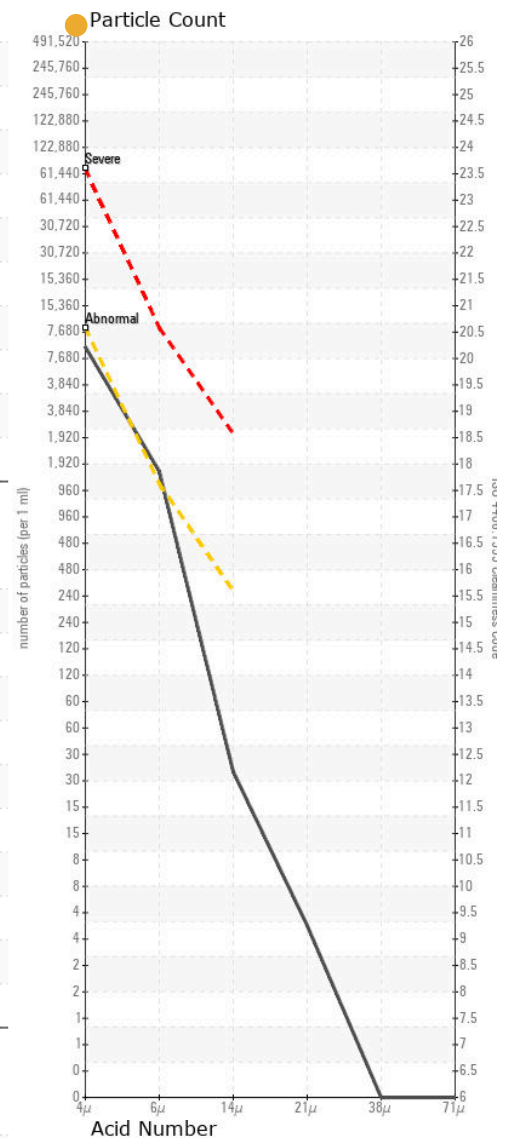
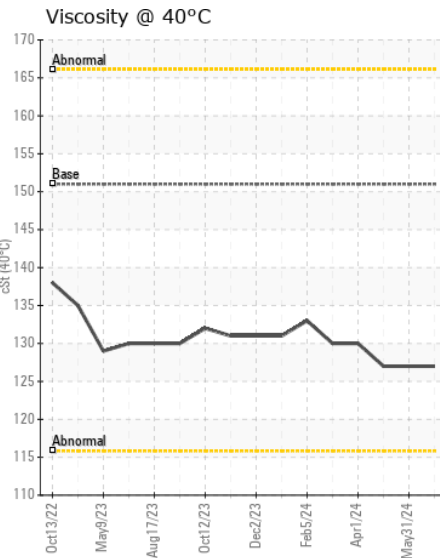
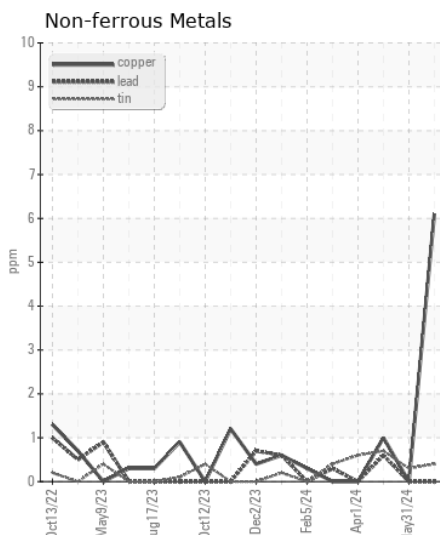
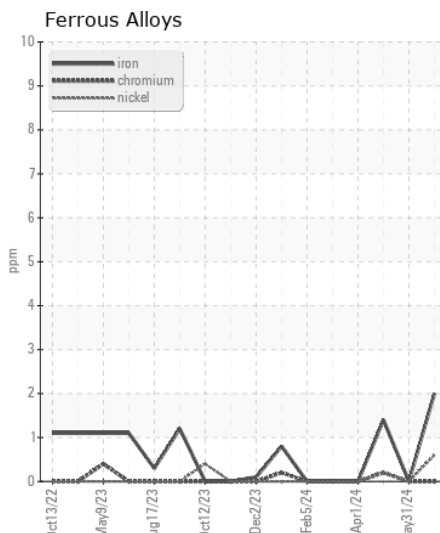
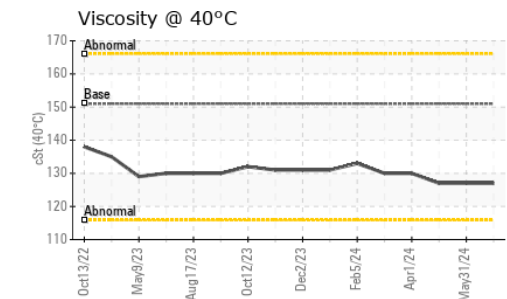
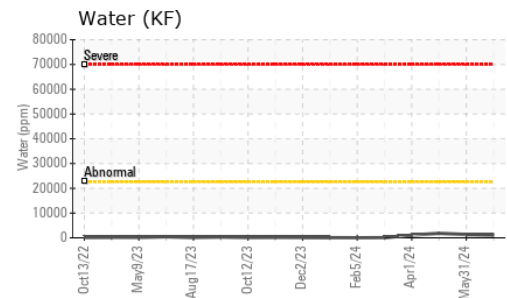
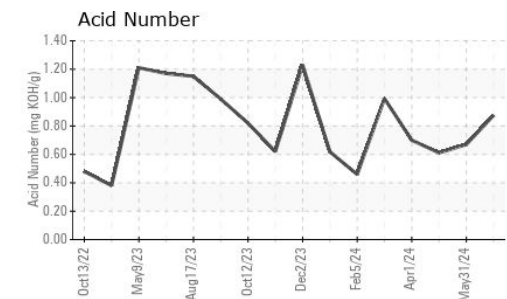
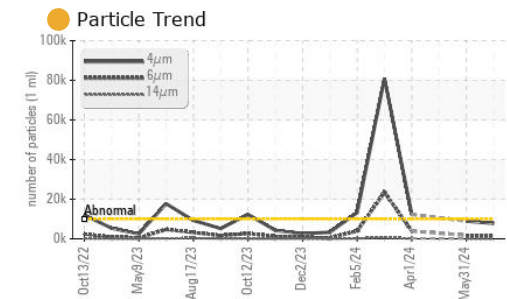
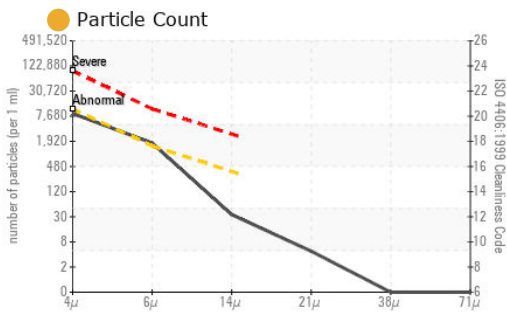
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	7	6	3
Potassium	ppm	ASTM D5185m	>20	5	5	4
Water	%	ASTM D6304	>2.26	0.112	0.133	0.183
ppm Water	ppm	ASTM D6304	>22600	1120	1330	1830
Particles >4µm		ASTM D7647	>10000	7775	8938	---
Particles >6µm		ASTM D7647	>1300	1528	1749	---
Particles >14µm		ASTM D7647	>320	30	9	---
Particles >21µm		ASTM D7647	>80	4	0	---
Particles >38µm		ASTM D7647	>20	0	0	---
Particles >71µm		ASTM D7647	>4	0	0	---
Oil Cleanliness		ISO 4406 (c)	>20/17/15	20/18/12	20/18/10	---
Silt	scalar	*Visual	NONE	NONE	NONE	▲ MODER
Debris	scalar	*Visual	NONE	NONE	NONE	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		10	8	7
Boron	ppm	ASTM D5185m	0	8	8	13
Barium	ppm	ASTM D5185m	0	0	<1	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		1	<1	0
Magnesium	ppm	ASTM D5185m	0	11	11	10
Calcium	ppm	ASTM D5185m	0	1250	1295	1274
Phosphorus	ppm	ASTM D5185m	0	311	308	350
Zinc	ppm	ASTM D5185m	0	331	353	355
Sulfur	ppm	ASTM D5185m	0	4469	4637	4920
Acid Number (AN)	mg KOH/g	ASTM D8045		0.875	0.67	0.611
Visc @ 40°C	cSt	ASTM D445	151	127	127	127
Visc @ 100°C	cSt	ASTM D445	28	13.2	13.2	13.1
Viscosity Index (VI)	Scale	ASTM D2270	224	97	97	96



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002933 **Received** : 16 Jul 2024
Lab Number : 06238468 **Tested** : 18 Jul 2024
Unique Number : 11127302 **Diagnosed** : 18 Jul 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

EOG RESOURCES INC. - MIDLAND
 5509 CHAMPIONS DRIVE
 MIDLAND, TX
 US 79706
 Contact: HERMAN GARZA
 herman_garza@eogresources.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)