



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MRC-293
Component
Compressor
Fluid
TULCO LUBSOIL LPG WS 150 (--- GAL)

RECOMMENDATION

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

WEAR

All component wear rates are normal.

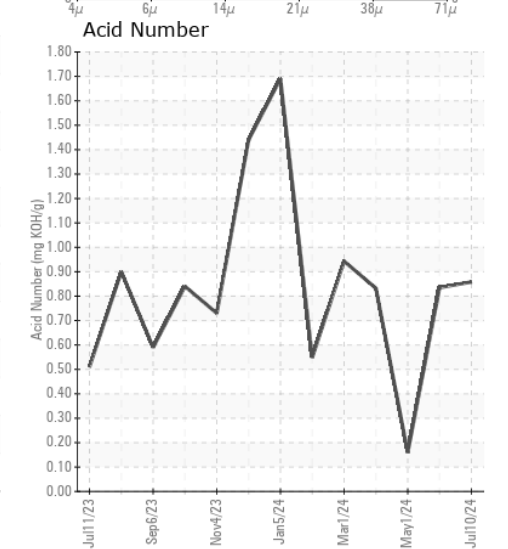
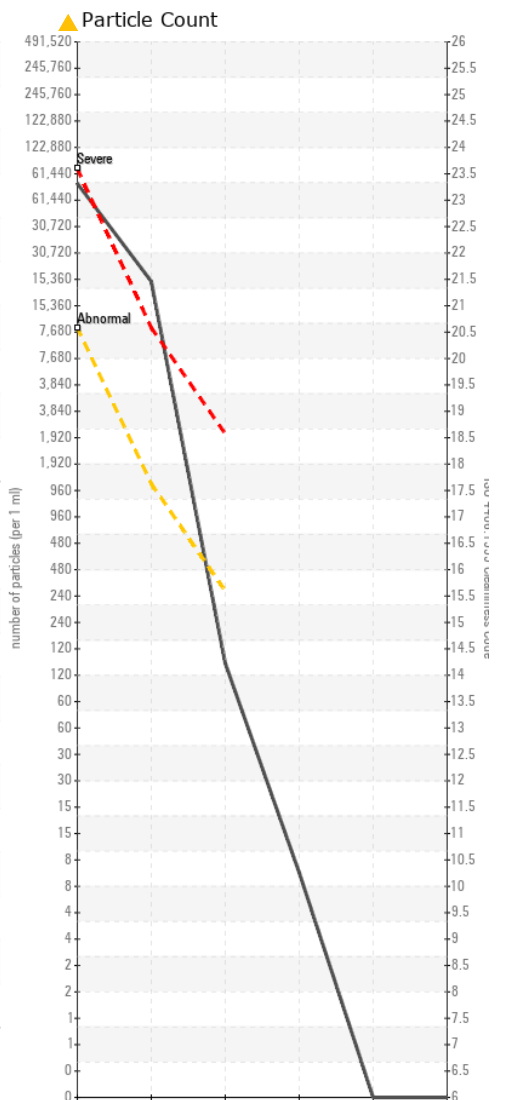
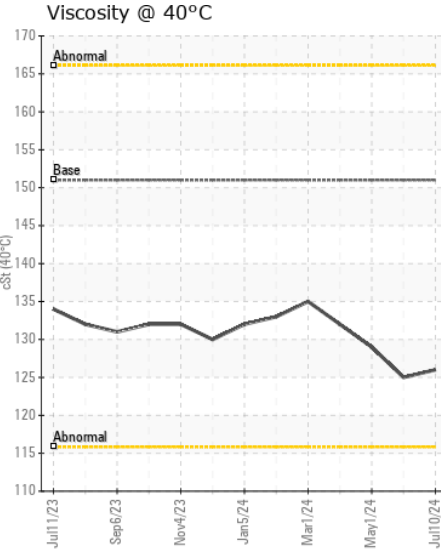
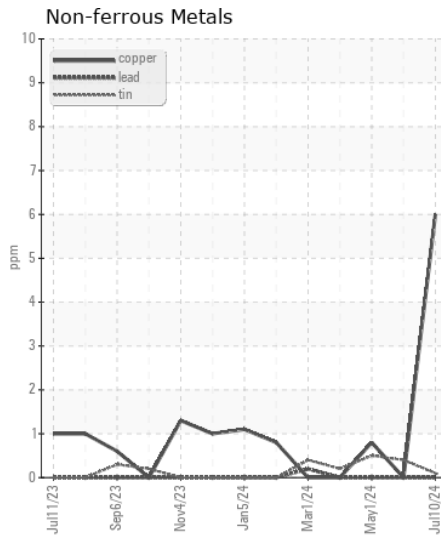
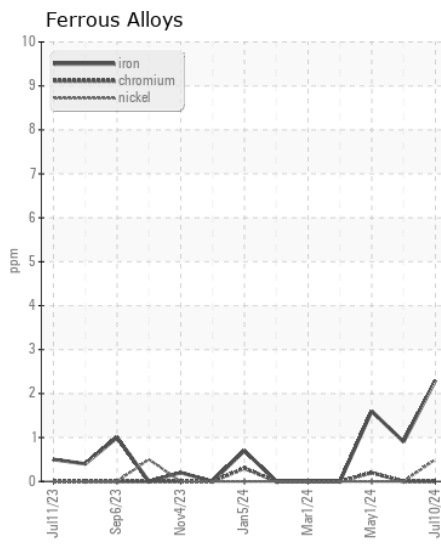
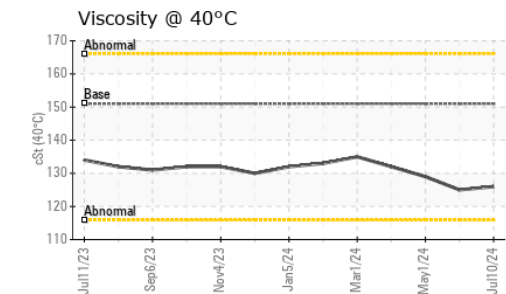
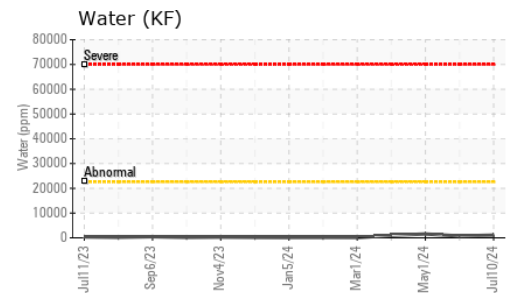
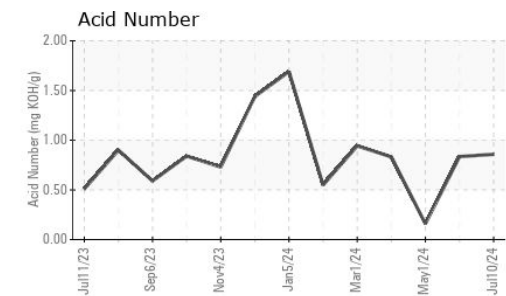
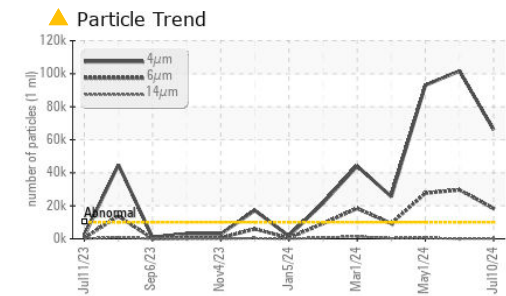
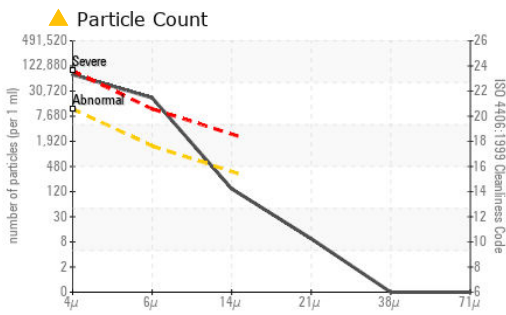
CONTAMINATION

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

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		TO60002945	TO60002718	TO60002548
Sample Date		Client Info		10 Jul 2024	31 May 2024	01 May 2024
Machine Age	hrs	Client Info		8704	8042	7631
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				ABNORMAL	ABNORMAL	ABNORMAL
Iron	ppm	ASTM D5185m	>50	2	<1	2
Chromium	ppm	ASTM D5185m	>10	0	0	<1
Nickel	ppm	ASTM D5185m		<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	2	3	1
Lead	ppm	ASTM D5185m	>25	0	0	0
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
Silicon	ppm	ASTM D5185m	>25	9	10	4
Potassium	ppm	ASTM D5185m	>20	5	5	4
Water	%	ASTM D6304	>2.26	0.109	0.075	0.156
ppm Water	ppm	ASTM D6304	>22600	1090	750	1560
Particles >4µm		ASTM D7647	>10000	▲ 66003	▲ 101649	▲ 93051
Particles >6µm		ASTM D7647	>1300	▲ 18349	▲ 29646	▲ 27595
Particles >14µm		ASTM D7647	>320	124	99	572
Particles >21µm		ASTM D7647	>80	8	10	68
Particles >38µm		ASTM D7647	>20	0	2	3
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	▲ 23/21/14	▲ 24/22/14	▲ 24/22/16
Silt	scalar	*Visual	NONE	LIGHT	NONE	NONE
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
Sodium	ppm	ASTM D5185m		11	10	6
Boron	ppm	ASTM D5185m	0	16	28	34
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	8	7	6
Calcium	ppm	ASTM D5185m	0	1271	1317	1238
Phosphorus	ppm	ASTM D5185m	0	311	308	322
Zinc	ppm	ASTM D5185m	0	329	347	331
Sulfur	ppm	ASTM D5185m	0	3837	4036	3488
Acid Number (AN)	mg KOH/g	ASTM D8045		0.858	0.835	0.16
Visc @ 40°C	cSt	ASTM D445	151	126	125	129
Visc @ 100°C	cSt	ASTM D445	28	13.1	13.2	13.3
Viscosity Index (VI)	Scale	ASTM D2270	224	97	99	97



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002945 **Received** : 16 Jul 2024
Lab Number : 06238465 **Tested** : 18 Jul 2024
Unique Number : 11127299 **Diagnosed** : 18 Jul 2024 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)

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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)