



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
MRC-295
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.

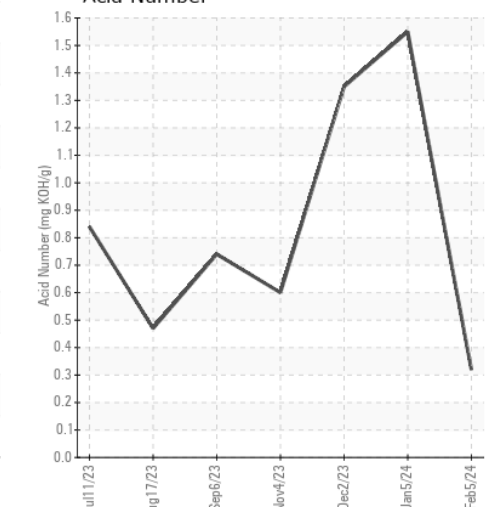
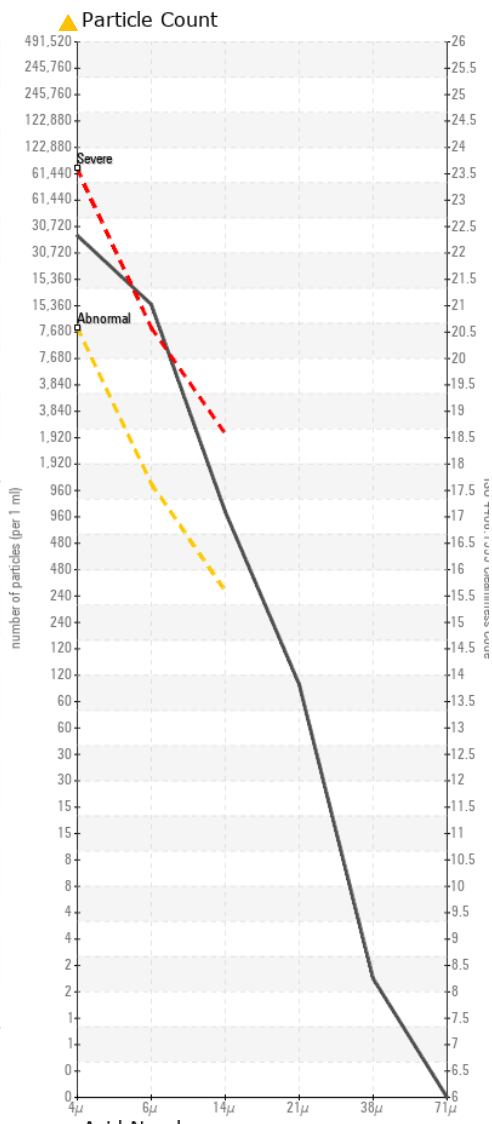
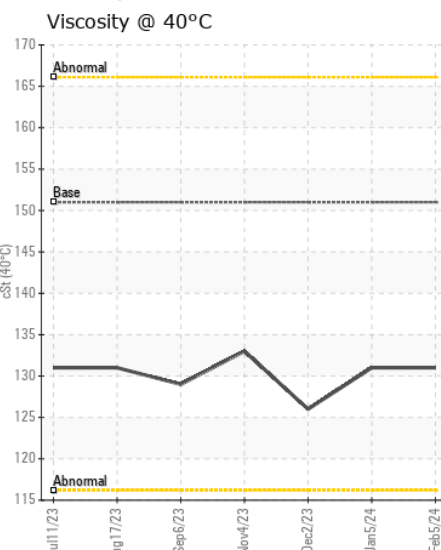
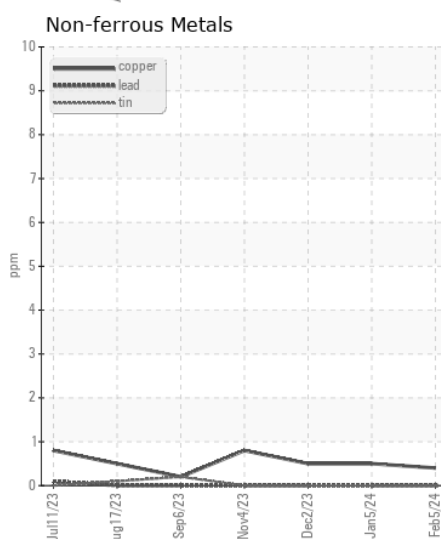
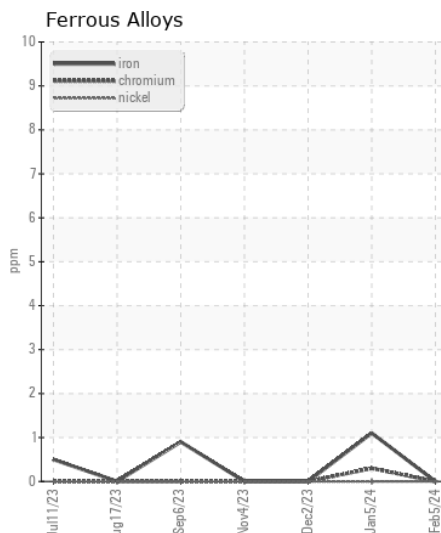
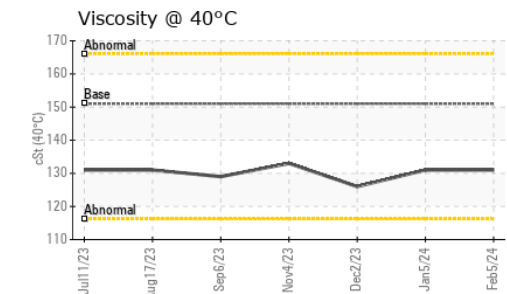
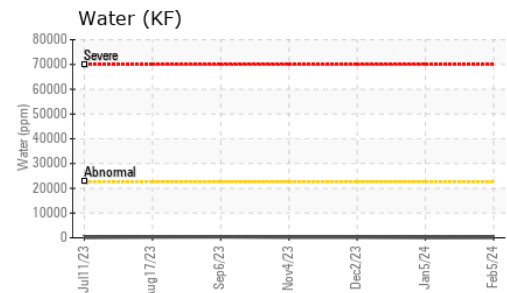
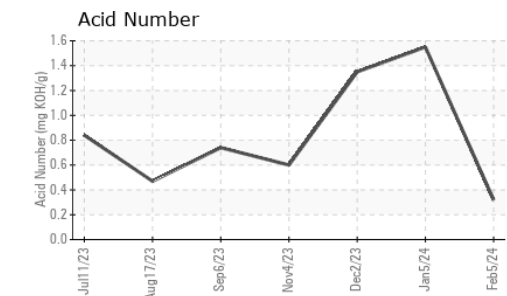
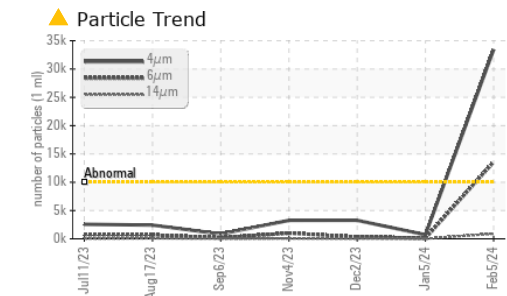
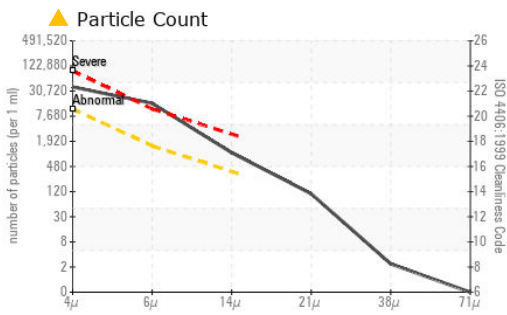
CONTAMINATION

There is a high amount of 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		TO60002114	TO60001958	TO60001941
Sample Date		Client Info		05 Feb 2024	05 Jan 2024	02 Dec 2023
Machine Age	hrs	Client Info		7202	6908	6433
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>50	0	1	0
Chromium	ppm	ASTM D5185m	>10	0	<1	0
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	2	0
Lead	ppm	ASTM D5185m	>25	0	0	0
Copper	ppm	ASTM D5185m	>50	<1	<1	<1
Tin	ppm	ASTM D5185m	>15	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>25	2	2	8
Potassium	ppm	ASTM D5185m	>20	<1	2	0
Water	%	ASTM D6304	>2.26	0.012	0.006	0.020
ppm Water	ppm	ASTM D6304	>22600	123	67	202
Particles >4µm		ASTM D7647	>10000	▲ 33414	718	3265
Particles >6µm		ASTM D7647	>1300	▲ 13568	104	335
Particles >14µm		ASTM D7647	>320	▲ 901	10	24
Particles >21µm		ASTM D7647	>80	▲ 94	4	5
Particles >38µm		ASTM D7647	>20	2	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	▲ 22/21/17	17/14/10	19/16/12
Silt	scalar	*Visual	NONE	NONE	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		2	0	4
Boron	ppm	ASTM D5185m	0	92	134	98
Barium	ppm	ASTM D5185m	0	0	3	0
Molybdenum	ppm	ASTM D5185m	0	0	<1	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	7	8	7
Calcium	ppm	ASTM D5185m	0	1224	1487	1290
Phosphorus	ppm	ASTM D5185m	0	283	376	288
Zinc	ppm	ASTM D5185m	0	301	349	294
Sulfur	ppm	ASTM D5185m	0	2082	2677	1430
Acid Number (AN)	mg KOH/g	ASTM D8045		0.32	1.55	1.35
Visc @ 40°C	cSt	ASTM D445	151	131	131	126
Visc @ 100°C	cSt	ASTM D445	28	13.3	13.3	13.3
Viscosity Index (VI)	Scale	ASTM D2270	224	95	95	99



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002114 **Received** : 13 Feb 2024
Lab Number : 06087280 **Tested** : 14 Feb 2024
Unique Number : 10874725 **Diagnosed** : 14 Feb 2024 - Don Baldrige
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)