



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
MRC-322
 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.

WEAR

All component wear rates are normal.

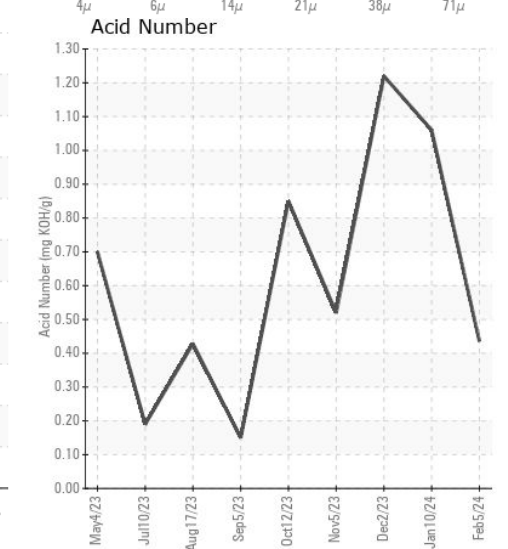
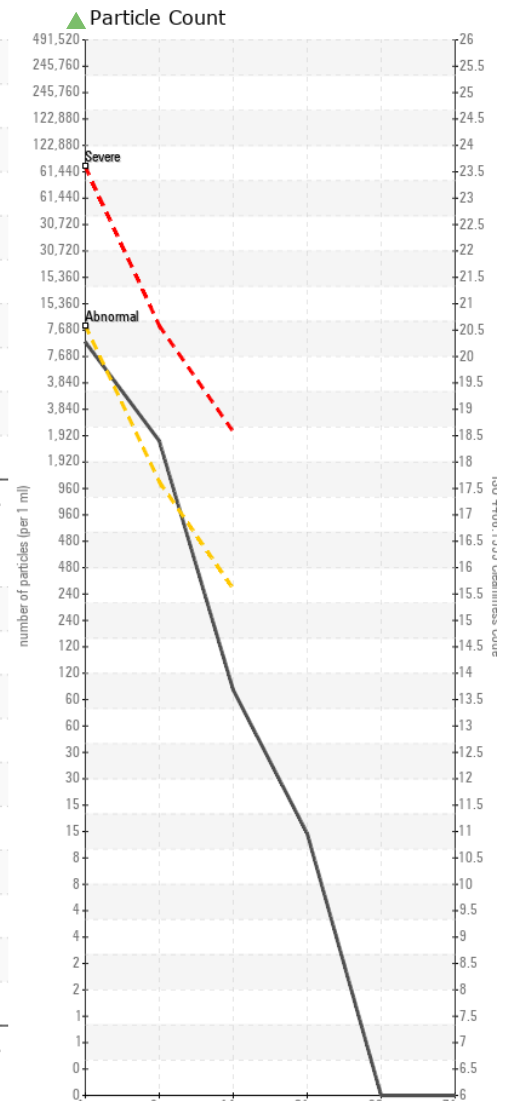
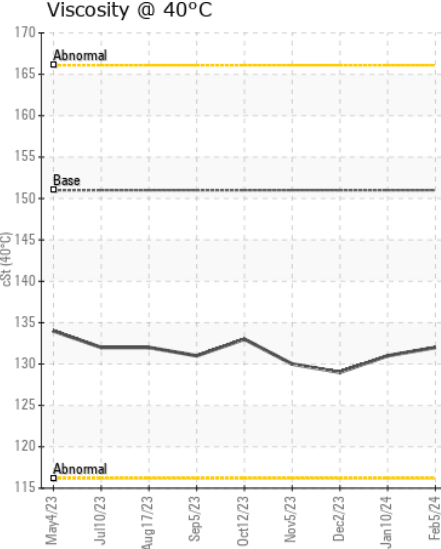
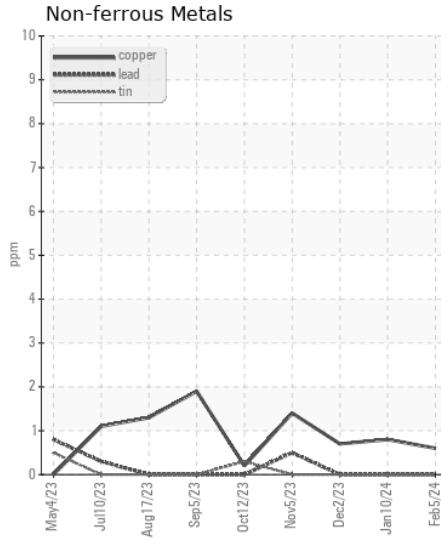
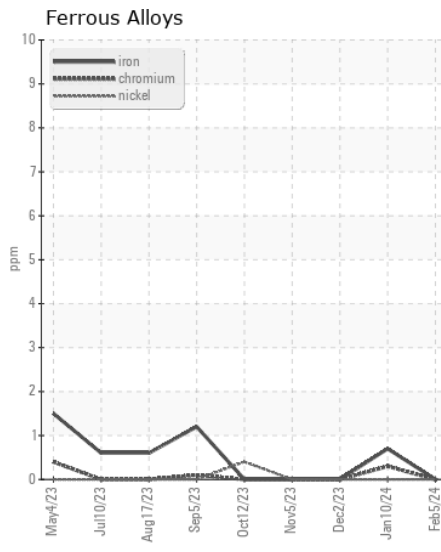
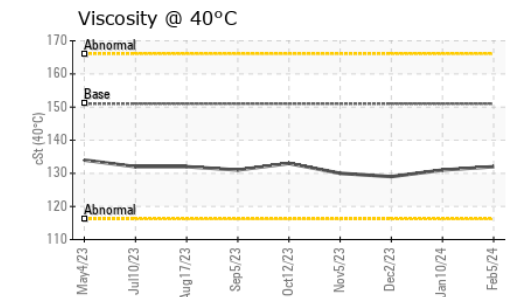
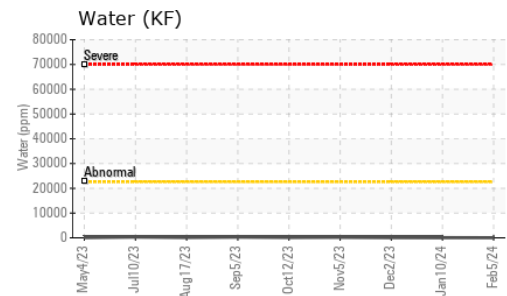
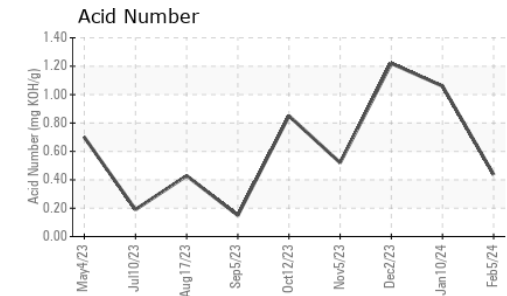
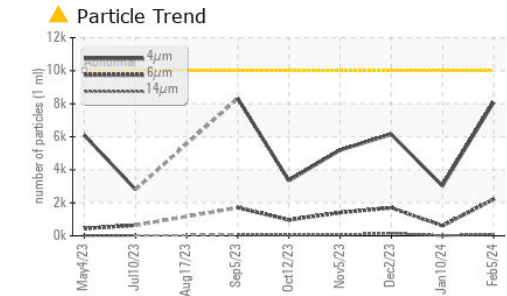
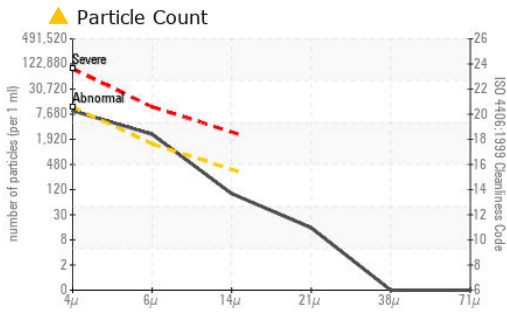
CONTAMINATION

There is a moderate 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		TO60002162	TO60001988	TO60001919
Sample Date		Client Info		05 Feb 2024	10 Jan 2024	02 Dec 2023
Machine Age	hrs	Client Info		6499	6384	5536
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				ATTENTION	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	3	11
Potassium	ppm	ASTM D5185m	>20	1	3	0
Water	%	ASTM D6304	>2.26	0.00	0.004	0.011
ppm Water	ppm	ASTM D6304	>22600	0	47	110
Particles >4µm		ASTM D7647	>10000	8083	3024	6145
Particles >6µm		ASTM D7647	>1300	▲ 2214	607	1694
Particles >14µm		ASTM D7647	>320	85	11	153
Particles >21µm		ASTM D7647	>80	13	3	24
Particles >38µm		ASTM D7647	>20	0	0	1
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	▲ 20/18/14	19/16/11	20/18/14
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		3	0	4
Boron	ppm	ASTM D5185m	0	47	71	83
Barium	ppm	ASTM D5185m	0	0	3	0
Molybdenum	ppm	ASTM D5185m	0	0	0	<1
Manganese	ppm	ASTM D5185m		<1	0	0
Magnesium	ppm	ASTM D5185m	0	6	4	5
Calcium	ppm	ASTM D5185m	0	1237	1210	1290
Phosphorus	ppm	ASTM D5185m	0	303	316	296
Zinc	ppm	ASTM D5185m	0	319	286	298
Sulfur	ppm	ASTM D5185m	0	3958	3928	3085
Acid Number (AN)	mg KOH/g	ASTM D8045		0.436	1.06	1.22
Visc @ 40°C	cSt	ASTM D445	151	132	131	129
Visc @ 100°C	cSt	ASTM D445	28	13.6	13.4	13.4
Viscosity Index (VI)	Scale	ASTM D2270	224	98	96	98



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002162 **Received** : 13 Feb 2024
Lab Number : 06087272 **Tested** : 14 Feb 2024
Unique Number : 10874717 **Diagnosed** : 14 Feb 2024 - Don Baldrige
Test Package : MOB 2 (Additional Tests: KF, KV100, PrtCount, VI)
 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)

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