



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ATTENTION
FLUID CONDITION	NORMAL

Machine Id
MRC-298
 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		TO60002325	TO60002115	TO60002108
Sample Date		Client Info		01 Apr 2024	01 Mar 2024	05 Feb 2024
Machine Age	hrs	Client Info		8485	8723	8149
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	NORMAL

WEAR

All component wear rates are normal.

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

CONTAMINATION

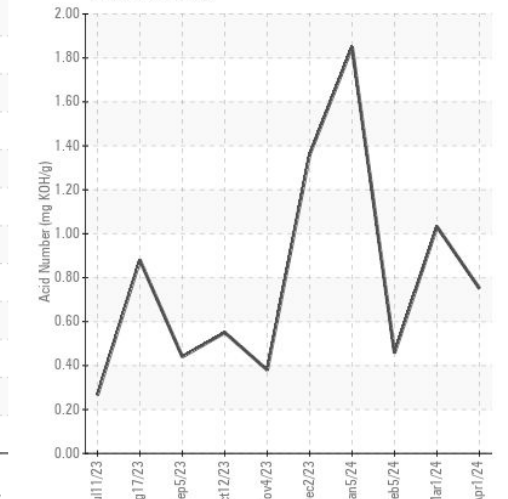
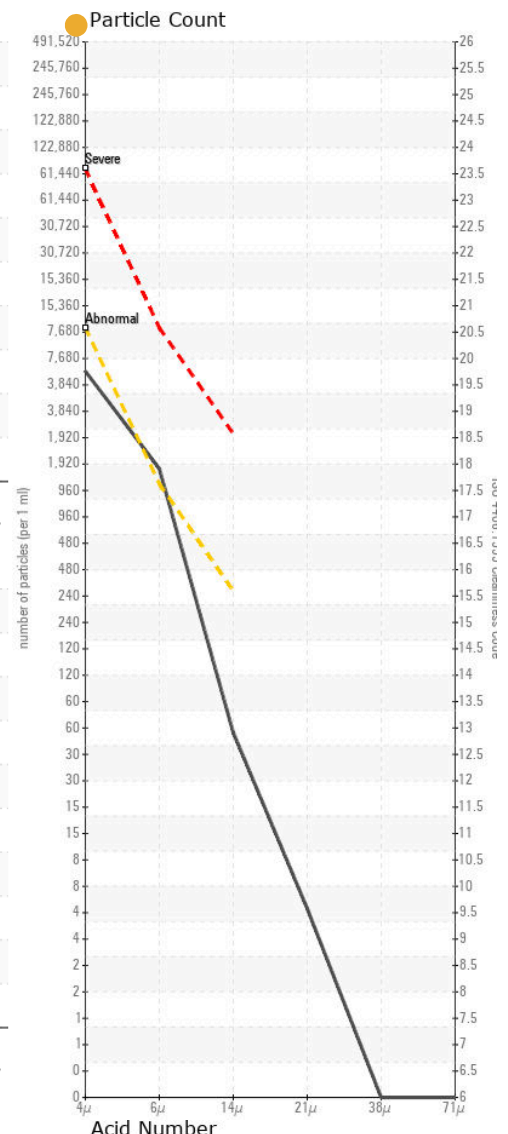
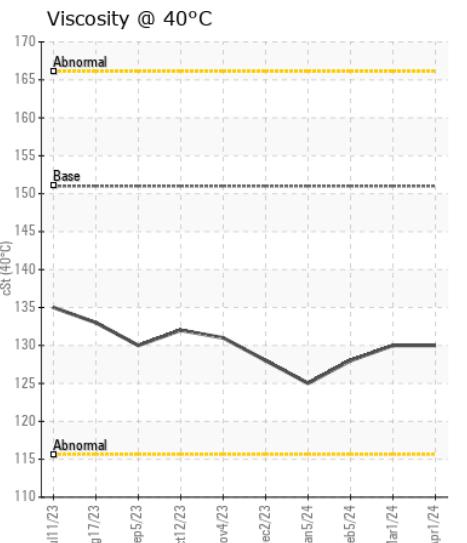
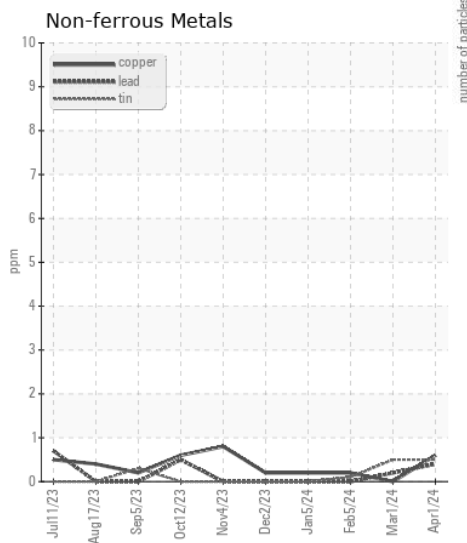
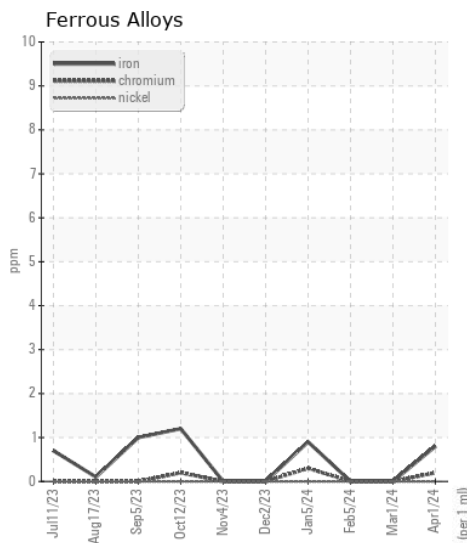
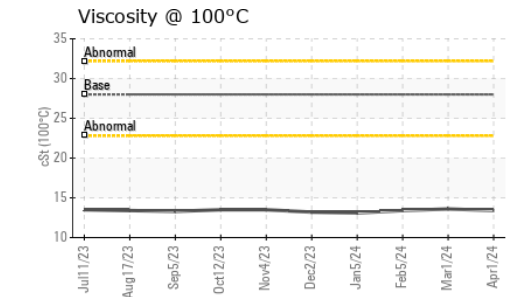
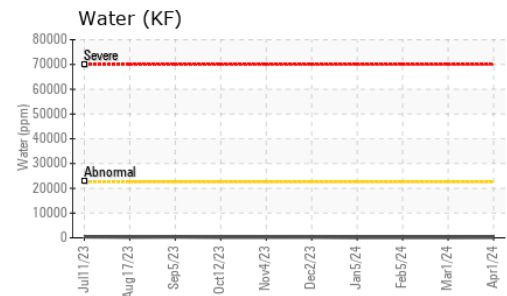
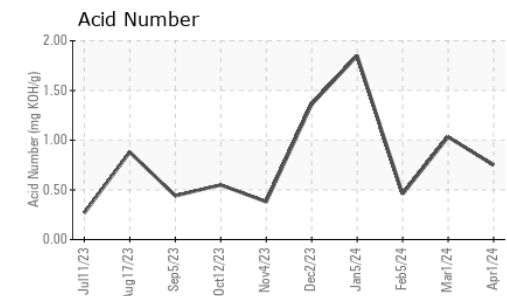
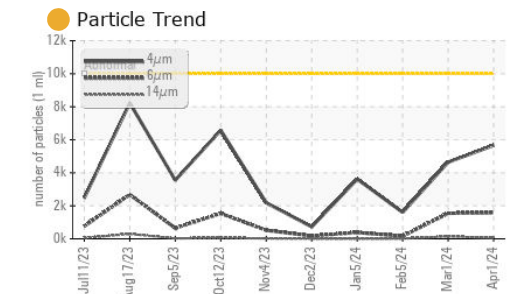
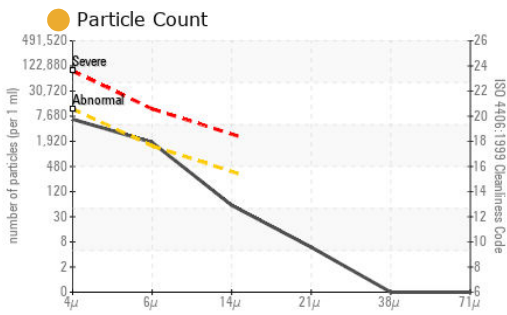
There is a moderate amount of silt (particulates < 14 microns in size) present in the oil.

Silicon	ppm	ASTM D5185m	>25	4	4	3
Potassium	ppm	ASTM D5185m	>20	5	2	<1
Water	%	ASTM D6304	>2.26	0.014	0.006	0.010
ppm Water	ppm	ASTM D6304	>22600	148	60	103
Particles >4µm		ASTM D7647	>10000	5661	4645	1605
Particles >6µm		ASTM D7647	>1300	1583	1547	166
Particles >14µm		ASTM D7647	>320	50	142	11
Particles >21µm		ASTM D7647	>80	5	34	2
Particles >38µm		ASTM D7647	>20	0	1	0
Particles >71µm		ASTM D7647	>4	0	0	0
Oil Cleanliness		ISO 4406 (c)	>20/17/15	20/18/13	19/18/14	18/15/11
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

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Sodium	ppm	ASTM D5185m		8	5	4
Boron	ppm	ASTM D5185m	0	15	42	65
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	0	0
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	0	6	8	7
Calcium	ppm	ASTM D5185m	0	1256	1271	1228
Phosphorus	ppm	ASTM D5185m	0	334	284	293
Zinc	ppm	ASTM D5185m	0	339	317	312
Sulfur	ppm	ASTM D5185m	0	4797	4743	3723
Acid Number (AN)	mg KOH/g	ASTM D8045		0.751	1.032	0.458
Visc @ 40°C	cSt	ASTM D445	151	130	130	128
Visc @ 100°C	cSt	ASTM D445	28	13.4	13.6	13.4
Viscosity Index (VI)	Scale	ASTM D2270	224	97	99	99



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : TO60002325 **Received** : 19 Apr 2024
Lab Number : 06154466 **Tested** : 22 Apr 2024
Unique Number : 10989889 **Diagnosed** : 23 Apr 2024 - Angela Borella
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)