



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
32613
Component
Differential
Fluid
CITGO TO4-10 (--- 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.

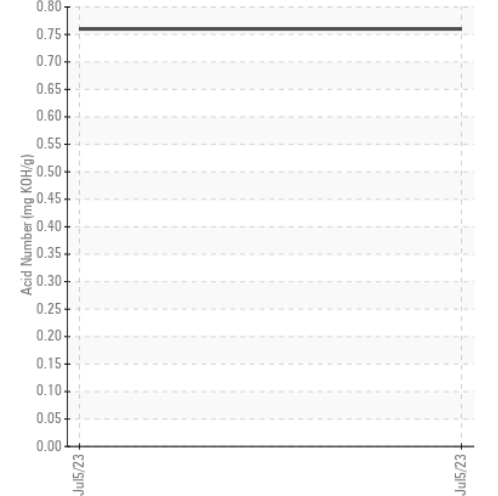
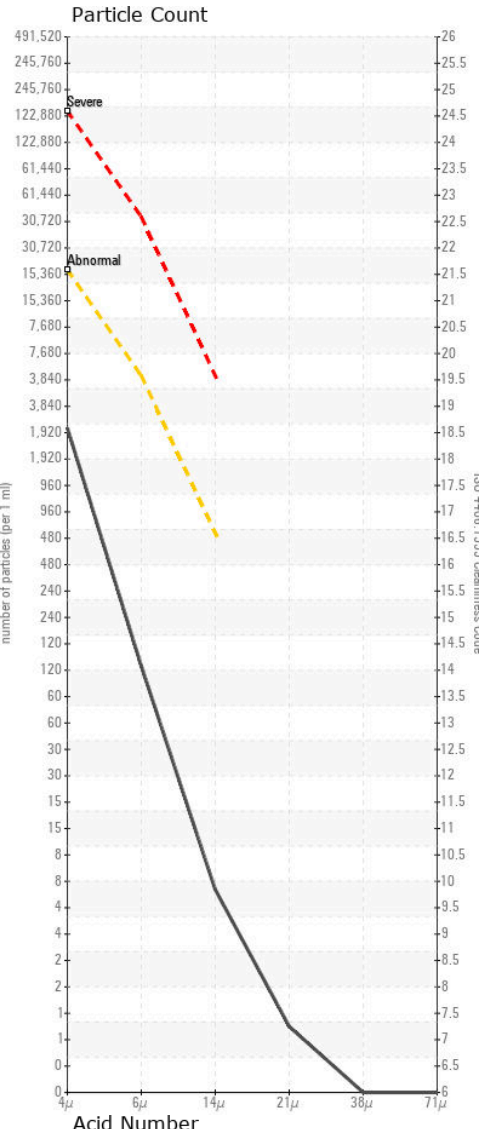
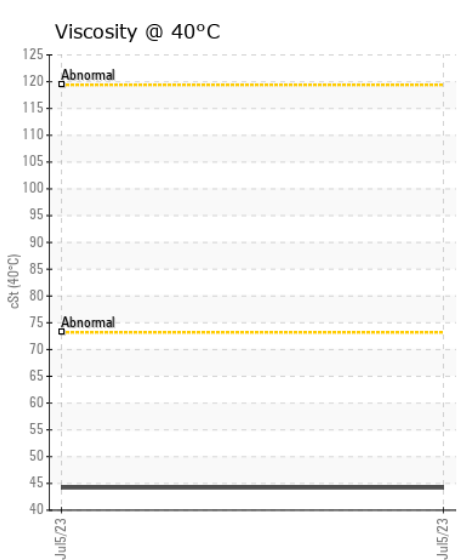
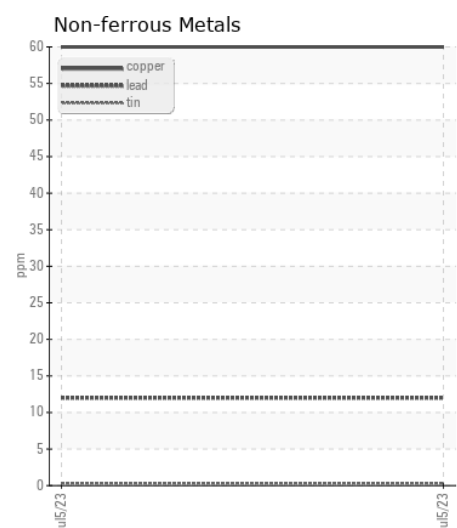
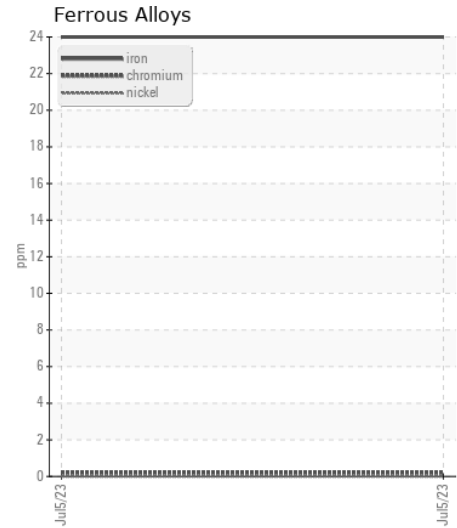
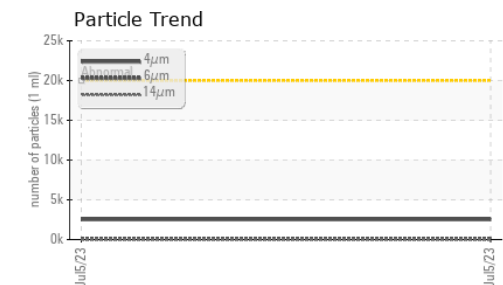
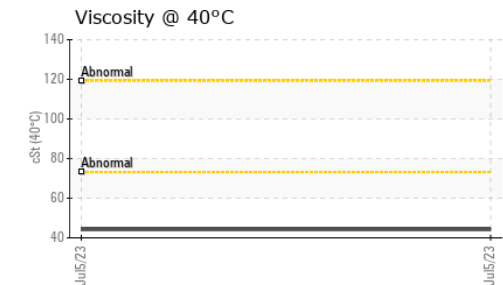
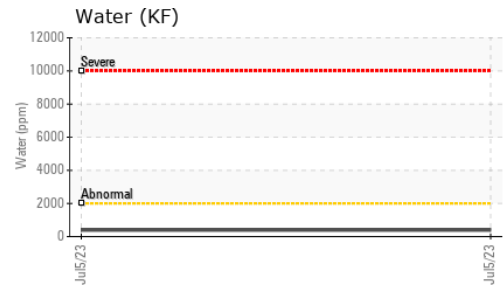
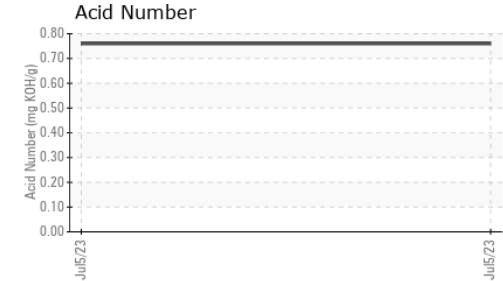
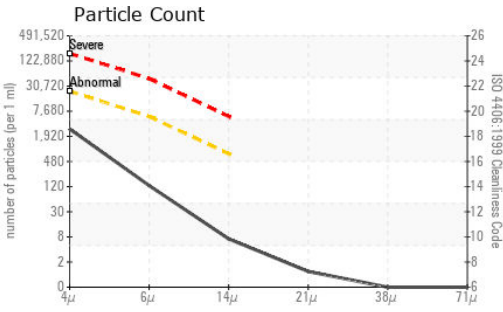
CONTAMINATION

There is no indication of any contamination in the oil. The amount and size of particulates present in the system are acceptable.

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		Y2K0001382	---	---
Sample Date		Client Info		05 Jul 2023	---	---
Machine Age	hrs	Client Info		4010	---	---
Oil Age	hrs	Client Info		1500	---	---
Filter Age	hrs	Client Info		300	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		Changed	---	---
Sample Status				NORMAL	---	---
Iron	ppm	ASTM D5185m	>500	24	---	---
Chromium	ppm	ASTM D5185m	>10	<1	---	---
Nickel	ppm	ASTM D5185m	>10	0	---	---
Titanium	ppm	ASTM D5185m		<1	---	---
Silver	ppm	ASTM D5185m		4	---	---
Aluminum	ppm	ASTM D5185m	>25	1	---	---
Lead	ppm	ASTM D5185m	>25	12	---	---
Copper	ppm	ASTM D5185m	>100	60	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		0	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	10	---	---
Potassium	ppm	ASTM D5185m	>20	0	---	---
Water	%	ASTM D6304	>.2	0.039	---	---
ppm Water	ppm	ASTM D6304	>2000	392.3	---	---
Particles >4µm		ASTM D7647	>20000	2527	---	---
Particles >6µm		ASTM D7647	>5000	112	---	---
Particles >14µm		ASTM D7647	>640	6	---	---
Particles >21µm		ASTM D7647	>160	1	---	---
Particles >38µm		ASTM D7647	>40	0	---	---
Particles >71µm		ASTM D7647	>10	0	---	---
Oil Cleanliness		ISO 4406 (c)	>21/19/16	19/14/10	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>.2	NEG	---	---
Sodium	ppm	ASTM D5185m		7	---	---
Boron	ppm	ASTM D5185m		10	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		<1	---	---
Manganese	ppm	ASTM D5185m		<1	---	---
Magnesium	ppm	ASTM D5185m		469	---	---
Calcium	ppm	ASTM D5185m		3302	---	---
Phosphorus	ppm	ASTM D5185m		859	---	---
Zinc	ppm	ASTM D5185m		987	---	---
Sulfur	ppm	ASTM D5185m		7335	---	---
Acid Number (AN)	mg KOH/g	ASTM D8045		0.76	---	---
Visc @ 40°C	cSt	ASTM D445		44.2	---	---



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : Y2K0001382 **Received** : 24 Jul 2023
Lab Number : 05906195 **Tested** : 26 Jul 2023
Unique Number : 10572847 **Diagnosed** : 26 Jul 2023 - Doug Bogart
Test Package : MOB 2 (Additional Tests: KF, PrtCount)

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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)