



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
31001
Component
Front Steering
Fluid
ATF (--- QTS)

RECOMMENDATION

The fluid change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0829707	---	---
Sample Date		Client Info		17 May 2024	---	---
Machine Age	mls	Client Info		138471	---	---
Oil Age	mls	Client Info		138471	---	---
Filter Age	mls	Client Info		138471	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---

WEAR

The iron level is abnormal.

Iron	ppm	ASTM D5185m	>60	▲ 94	---	---
Chromium	ppm	ASTM D5185m	>12	<1	---	---
Nickel	ppm	ASTM D5185m	>6	5	---	---
Titanium	ppm	ASTM D5185m		1	---	---
Silver	ppm	ASTM D5185m		1	---	---
Aluminum	ppm	ASTM D5185m	>4	2	---	---
Lead	ppm	ASTM D5185m	>12	12	---	---
Copper	ppm	ASTM D5185m	>30	2	---	---
Tin	ppm	ASTM D5185m		2	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

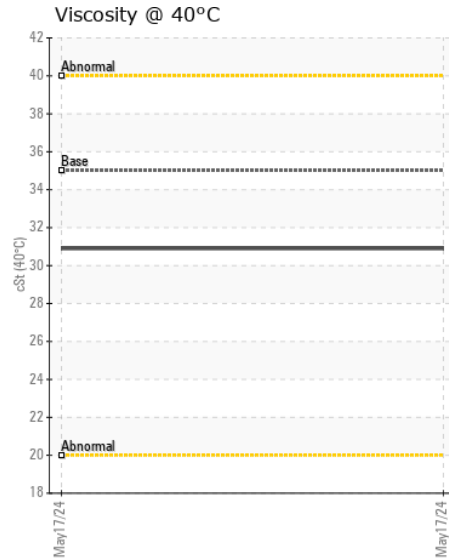
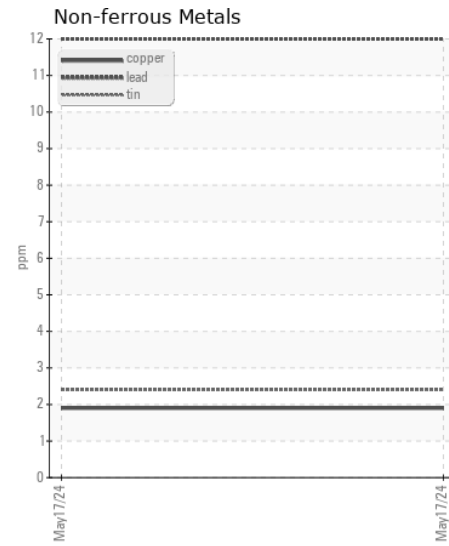
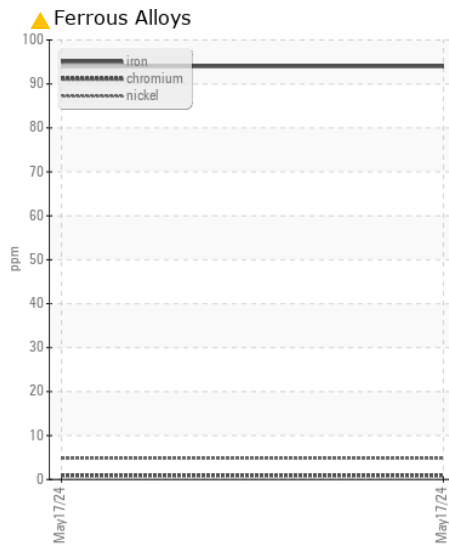
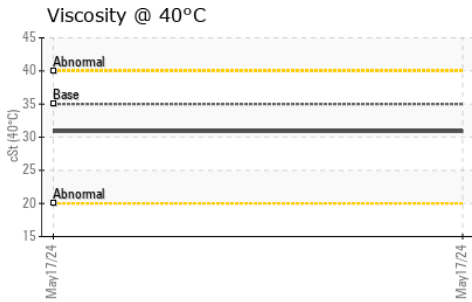
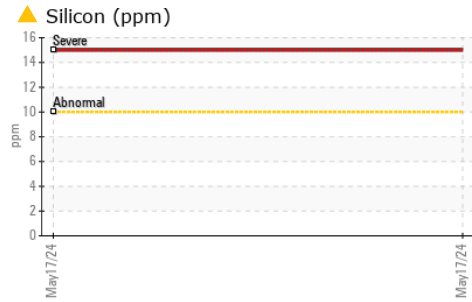
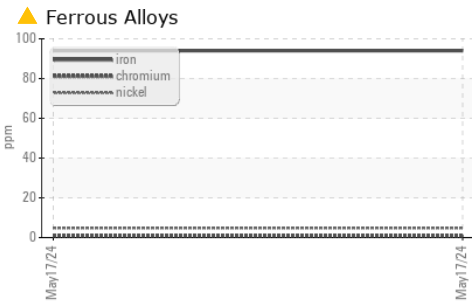
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>10	▲ 15	---	---
Potassium	ppm	ASTM D5185m	>20	7	---	---
Water		WC Method		NEG	---	---
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		NEG	---	---

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		10	---	---
Boron	ppm	ASTM D5185m		16	---	---
Barium	ppm	ASTM D5185m		0	---	---
Molybdenum	ppm	ASTM D5185m		12	---	---
Manganese	ppm	ASTM D5185m		1	---	---
Magnesium	ppm	ASTM D5185m		156	---	---
Calcium	ppm	ASTM D5185m		336	---	---
Phosphorus	ppm	ASTM D5185m		354	---	---
Zinc	ppm	ASTM D5185m		339	---	---
Sulfur	ppm	ASTM D5185m		1799	---	---
Visc @ 40°C	cSt	ASTM D445	35.0	30.9	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0829707
Lab Number : 06186991
Unique Number : 11043743
Test Package : FLEET

Received : 21 May 2024
Tested : 23 May 2024
Diagnosed : 24 May 2024 - Jonathan Hester

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F: :

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)