



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Machine Id
1467
Component
Front Differential
Fluid
GEAR OIL SAE 75W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 75 90 gear oil front diff)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0858146	---	---
Sample Date		Client Info		10 May 2024	---	---
Machine Age	hrs	Client Info		12847	---	---
Oil Age	hrs	Client Info		3300	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				NORMAL	---	---

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185m	>1200	741	---	---
Chromium	ppm	ASTM D5185m	>8	4	---	---
Nickel	ppm	ASTM D5185m	>20	33	---	---
Titanium	ppm	ASTM D5185m	>4	<1	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>30	2	---	---
Lead	ppm	ASTM D5185m	>25	<1	---	---
Copper	ppm	ASTM D5185m	>50	3	---	---
Tin	ppm	ASTM D5185m	>5	0	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---

CONTAMINATION

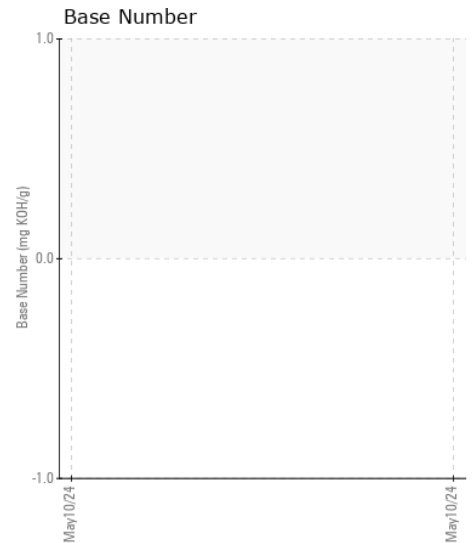
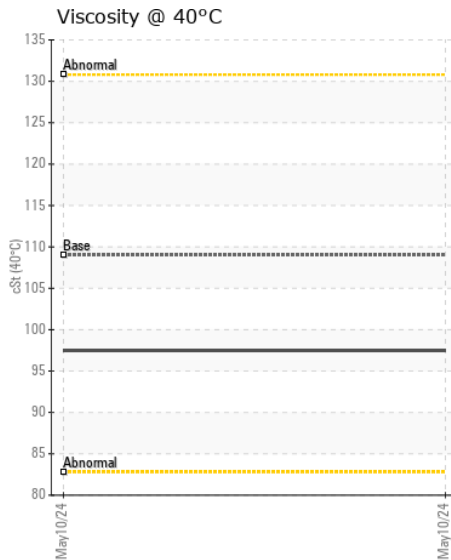
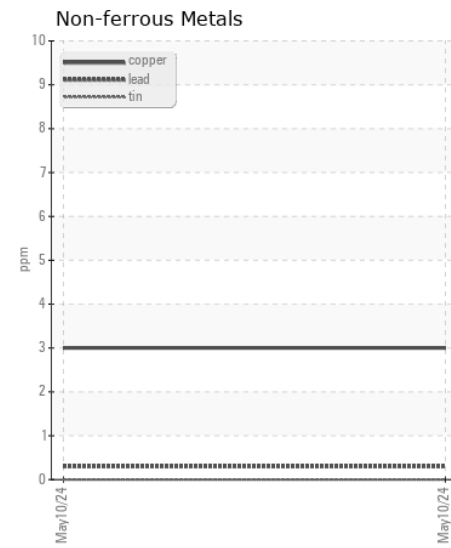
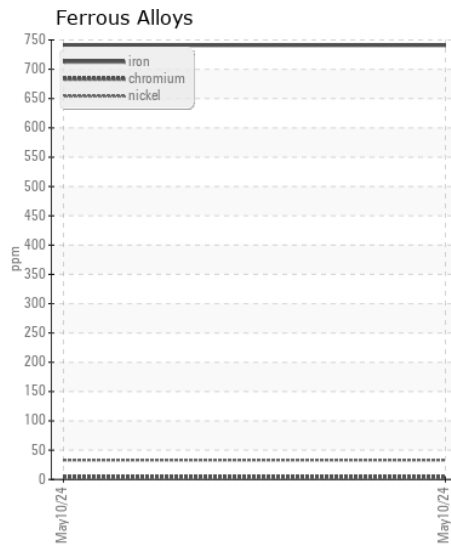
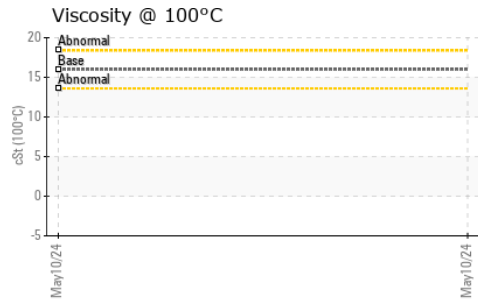
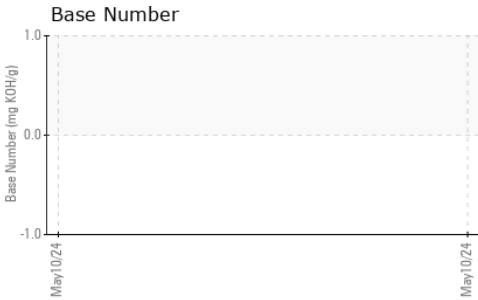
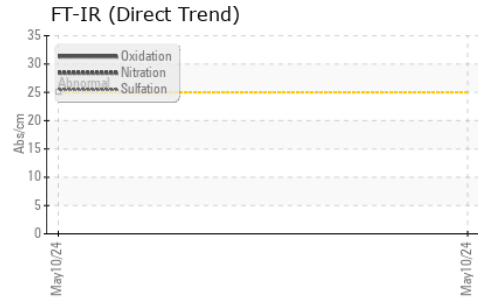
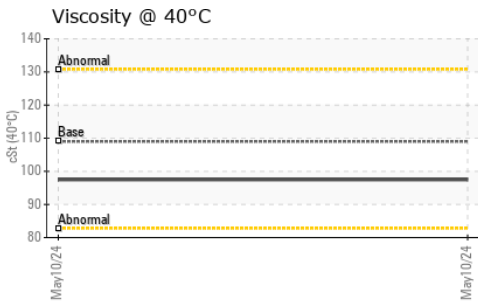
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>230	118	---	---
Potassium	ppm	ASTM D5185m	>20	5	---	---
Water		WC Method	>.2	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	>.2	NEG	---	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		6	---	---
Boron	ppm	ASTM D5185m	400	74	---	---
Barium	ppm	ASTM D5185m	200	2	---	---
Molybdenum	ppm	ASTM D5185m	12	2	---	---
Manganese	ppm	ASTM D5185m		8	---	---
Magnesium	ppm	ASTM D5185m	12	11	---	---
Calcium	ppm	ASTM D5185m	150	23	---	---
Phosphorus	ppm	ASTM D5185m	1650	925	---	---
Zinc	ppm	ASTM D5185m	125	50	---	---
Sulfur	ppm	ASTM D5185m	22500	26150	---	---
Visc @ 40°C	cSt	ASTM D445	109	97.49	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0858146 **Received** : 13 May 2024
Lab Number : 06178055 **Tested** : 16 May 2024
Unique Number : 11029381 **Diagnosed** : 17 May 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: FT-IR, KV100, TBN)

Apple Valley Waste - Hometown Location
 155 Airport Road
 Selinsgrove, PA
 US 17870
 Contact: Service Manager

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)

T:
F: