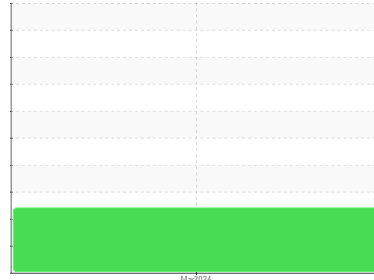




OIL ANALYSIS REPORT

Sample Rating Trend



Machine Id
3471
 Component
Rear Differential
 Fluid
GEAR OIL SAE 75W90 (--- GAL)

DIAGNOSIS

- Recommendation**
No corrective action is recommended at this time. Resample at the next service interval to monitor.
- Wear**
The nickel level is abnormal. All other component wear rates are normal.
- Contamination**
Elemental level of silicon (Si) above normal indicating ingress of dirt/seal material.
- Fluid Condition**
The condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION

method	limit/base	current	history1	history2
Sample Number	Client Info	WC0885672	---	---
Sample Date	Client Info	12 Mar 2024	---	---
Machine Age	hrs Client Info	0	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	N/A	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

method	limit/base	current	history1	history2
Water	WC Method >.2	NEG	---	---

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	278	---	---
Chromium	ppm ASTM D5185m >10	2	---	---
Nickel	ppm ASTM D5185m >10	▲ 16	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	2	---	---
Lead	ppm ASTM D5185m >25	<1	---	---
Copper	ppm ASTM D5185m >100	2	---	---
Tin	ppm ASTM D5185m >10	<1	---	---
Vanadium	ppm ASTM D5185m	<1	---	---
Cadmium	ppm ASTM D5185m	<1	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 400	116	---	---
Barium	ppm ASTM D5185m 200	<1	---	---
Molybdenum	ppm ASTM D5185m 12	<1	---	---
Manganese	ppm ASTM D5185m	5	---	---
Magnesium	ppm ASTM D5185m 12	2	---	---
Calcium	ppm ASTM D5185m 150	19	---	---
Phosphorus	ppm ASTM D5185m 1650	892	---	---
Zinc	ppm ASTM D5185m 125	18	---	---
Sulfur	ppm ASTM D5185m 22500	25845	---	---

CONTAMINANTS

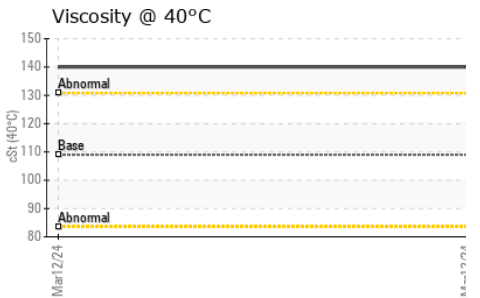
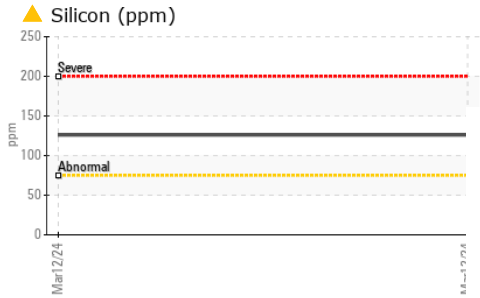
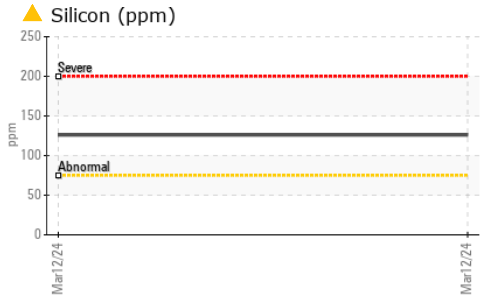
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	▲ 126	---	---
Sodium	ppm ASTM D5185m	6	---	---
Potassium	ppm ASTM D5185m >20	4	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	NONE	---	---
Yellow Metal	scalar *Visual NONE	NONE	---	---
Precipitate	scalar *Visual NONE	NONE	---	---
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	---	---
Free Water	scalar *Visual	NEG	---	---



OIL ANALYSIS REPORT



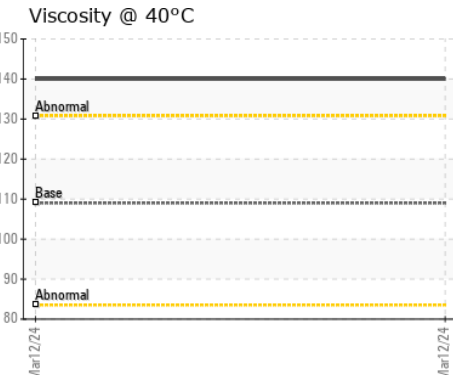
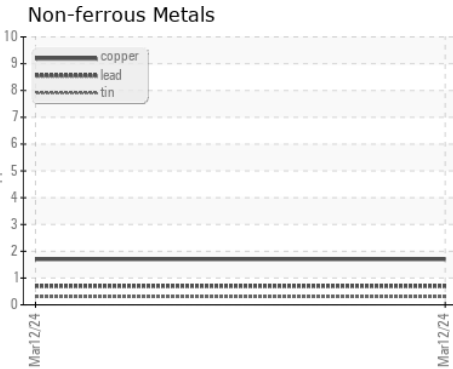
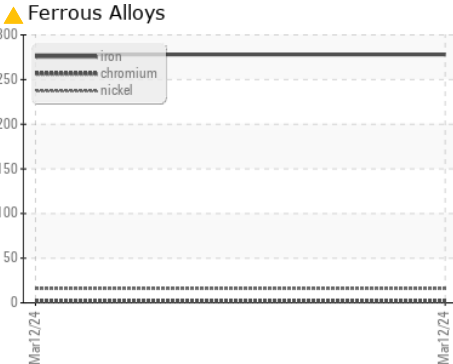
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445 109	140	---	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0885672
Lab Number : 06124094
Unique Number : 10938245
Test Package : CONST

Received : 20 Mar 2024
Tested : 21 Mar 2024
Diagnosed : 22 Mar 2024 - Don Baldrige

Apple Valley Waste - Baltimore District
 240 S KRESSON ST
 BALTIMORE, MD
 US 21224
 Contact: KEVIN HINSON
 khinson@goldmedal.net

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: