



OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Machine Id

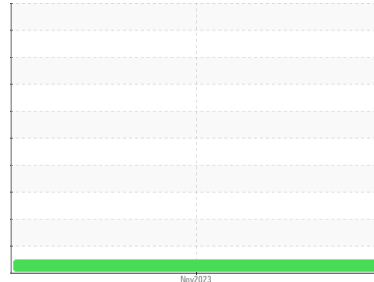
G29

Component

Rear Differential

Fluid

GEAR OIL SAE 75W90 (--- GAL)



DIAGNOSIS

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil.

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	WC0858173	---	---
Sample Date	Client Info	14 Nov 2023	---	---
Machine Age	hrs Client Info	10405	---	---
Oil Age	hrs Client Info	3300	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		NORMAL	---	---

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	260	---	---
Chromium	ppm ASTM D5185m >10	2	---	---
Nickel	ppm ASTM D5185m >10	8	---	---
Titanium	ppm ASTM D5185m	<1	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	0	---	---
Lead	ppm ASTM D5185m >25	0	---	---
Copper	ppm ASTM D5185m >100	<1	---	---
Tin	ppm ASTM D5185m >10	0	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 400	225	---	---
Barium	ppm ASTM D5185m 200	<1	---	---
Molybdenum	ppm ASTM D5185m 12	<1	---	---
Manganese	ppm ASTM D5185m	7	---	---
Magnesium	ppm ASTM D5185m 12	8	---	---
Calcium	ppm ASTM D5185m 150	101	---	---
Phosphorus	ppm ASTM D5185m 1650	1400	---	---
Zinc	ppm ASTM D5185m 125	82	---	---
Sulfur	ppm ASTM D5185m 22500	22958	---	---

CONTAMINANTS

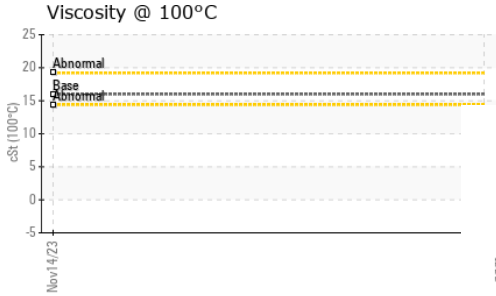
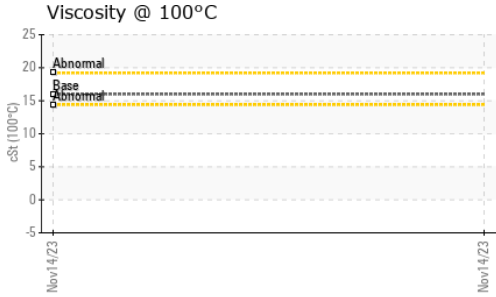
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	39	---	---
Sodium	ppm ASTM D5185m	9	---	---
Potassium	ppm ASTM D5185m >20	2	---	---

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



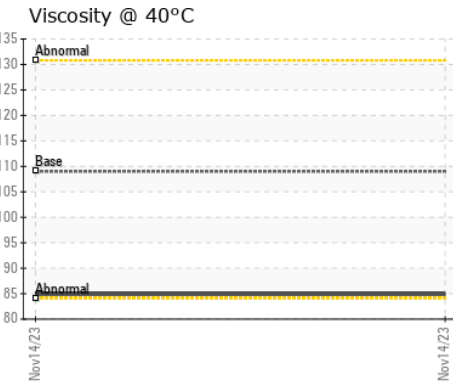
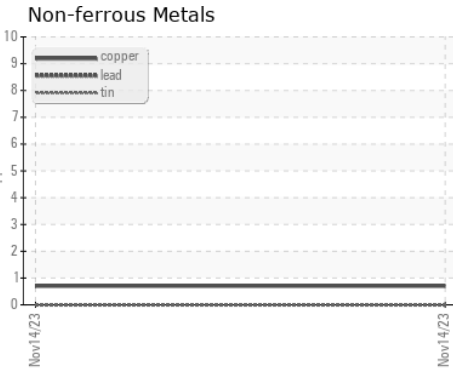
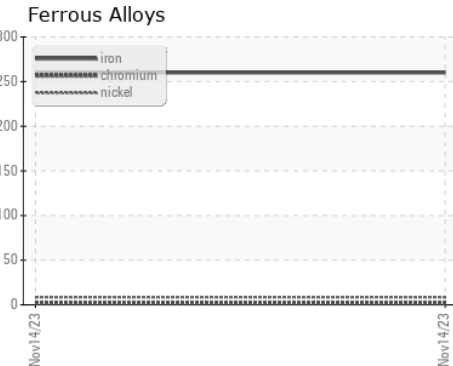
FLUID PROPERTIES

method	limit/base	current	history1	history2	
Visc @ 40°C	cSt ASTM D445	109	84.9	---	---

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. : WC0858173 **Received** : 20 Nov 2023
Lab Number : **06013531** **Diagnosed** : 22 Nov 2023
Unique Number : 10752675 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: FT-IR, KV100)

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: