



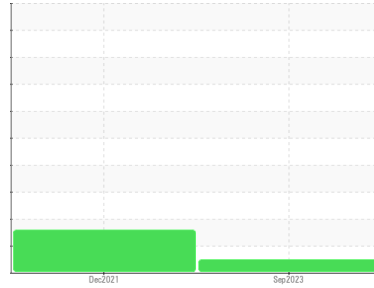
OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL



Area
[18467]
 Machine Id
20-86
 Component
Left Final Drive
 Fluid
GEAR OIL SAE 80W90 (--- GAL)



DIAGNOSIS

Recommendation

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.

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		WC0818623	WC0601425	---
Sample Date	Client Info		08 Sep 2023	17 Dec 2021	---
Machine Age	hrs	Client Info	5866	5304	---
Oil Age	hrs	Client Info	5866	0	---
Oil Changed	Client Info		Not Chngd	Changed	---
Sample Status			NORMAL	ABNORMAL	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >500	113	187	---
Chromium	ppm	ASTM D5185m >10	1	2	---
Nickel	ppm	ASTM D5185m >10	<1	0	---
Titanium	ppm	ASTM D5185m	<1	<1	---
Silver	ppm	ASTM D5185m	0	0	---
Aluminum	ppm	ASTM D5185m >25	1	4	---
Lead	ppm	ASTM D5185m >25	13	▲ 43	---
Copper	ppm	ASTM D5185m >50	17	▲ 51	---
Tin	ppm	ASTM D5185m >10	<1	2	---
Antimony	ppm	ASTM D5185m >5	---	0	---
Vanadium	ppm	ASTM D5185m	0	0	---
Cadmium	ppm	ASTM D5185m	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	37	217	---
Barium	ppm	ASTM D5185m 200	0	1	---
Molybdenum	ppm	ASTM D5185m 12	<1	1	---
Manganese	ppm	ASTM D5185m	3	3	---
Magnesium	ppm	ASTM D5185m 12	3	2	---
Calcium	ppm	ASTM D5185m 150	44	138	---
Phosphorus	ppm	ASTM D5185m 1650	516	958	---
Zinc	ppm	ASTM D5185m 125	17	64	---
Sulfur	ppm	ASTM D5185m 22500	27552	16040	---

CONTAMINANTS

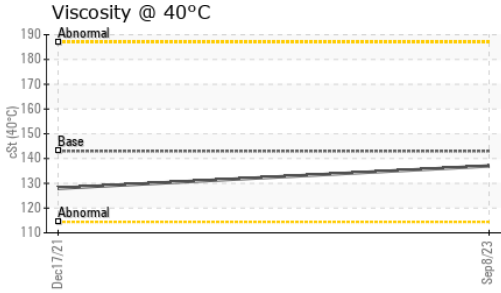
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	9	21	---
Sodium	ppm	ASTM D5185m >170	2	5	---
Potassium	ppm	ASTM D5185m >20	2	7	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	LIGHT	NONE	---
Sand/Dirt	scalar	*Visual NONE	NONE	NONE	---
Appearance	scalar	*Visual NORML	NORML	NORML	---
Odor	scalar	*Visual NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual >0.2	NEG	NEG	---
Free Water	scalar	*Visual	NEG	NEG	---



OIL ANALYSIS REPORT



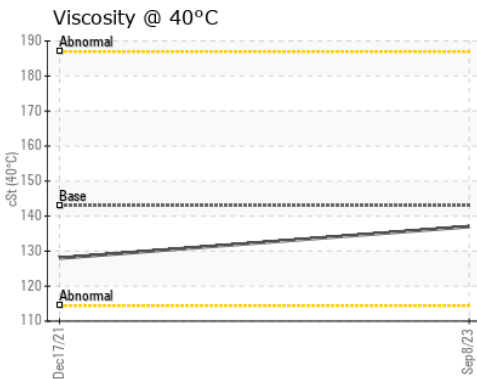
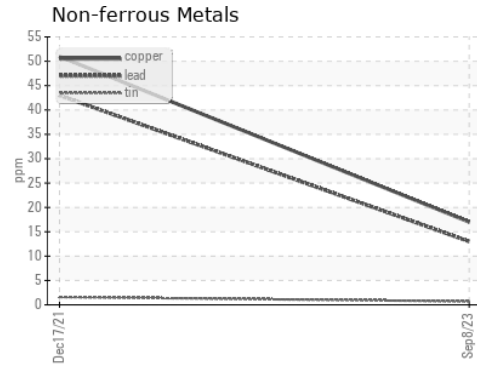
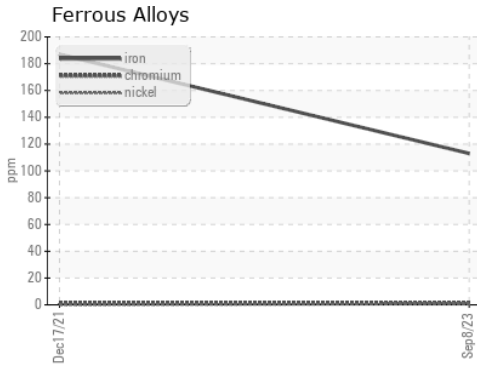
FLUID PROPERTIES

	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 143	137	128	---

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. : WC0818623 **Received** : 03 Oct 2023
Lab Number : 05968473 **Diagnosed** : 04 Oct 2023
Unique Number : 10675024 **Diagnostician** : Doug Bogart
Test Package : CONST

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 5601 S 122ND E AVE
 TULSA, OK
 US 74146
 Contact: BEN CALDWELL
 kevin.marson@wearcheck.com
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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)