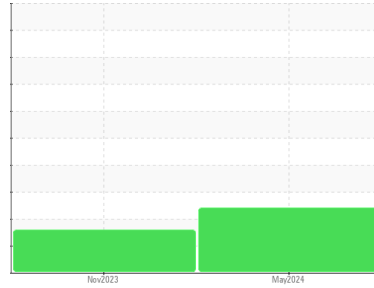




OIL ANALYSIS REPORT

Area
KANSAS/44
Machine Id
20.022L [KANSAS^44]
Component
Left Final Drive
Fluid
GEAR OIL SAE 75W140 (--- GAL)

Sample Rating Trend



DIAGNOSIS

Recommendation

No corrective action is recommended at this time. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Wear

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

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		WC0918068	WC0821614	---
Sample Date	Client Info		29 May 2024	14 Nov 2023	---
Machine Age	hrs	Client Info	0	1501	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	Not Changd	---
Sample Status			ABNORMAL	ABNORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.2	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m >800	▲ 1553	▲ 932	---
Chromium	ppm	ASTM D5185m >10	▲ 35	▲ 24	---
Nickel	ppm	ASTM D5185m >5	● 5	3	---
Titanium	ppm	ASTM D5185m >15	3	2	---
Silver	ppm	ASTM D5185m >2	0	0	---
Aluminum	ppm	ASTM D5185m >75	46	30	---
Lead	ppm	ASTM D5185m >10	0	<1	---
Copper	ppm	ASTM D5185m >75	11	8	---
Tin	ppm	ASTM D5185m >8	<1	<1	---
Vanadium	ppm	ASTM D5185m	<1	<1	---
Cadmium	ppm	ASTM D5185m	<1	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m 400	21	13	---
Barium	ppm	ASTM D5185m 200	58	55	---
Molybdenum	ppm	ASTM D5185m 12	16	15	---
Manganese	ppm	ASTM D5185m	18	13	---
Magnesium	ppm	ASTM D5185m 12	19	14	---
Calcium	ppm	ASTM D5185m 150	3177	3525	---
Phosphorus	ppm	ASTM D5185m 1650	573	587	---
Zinc	ppm	ASTM D5185m 125	744	703	---
Sulfur	ppm	ASTM D5185m 22500	3419	2358	---

CONTAMINANTS

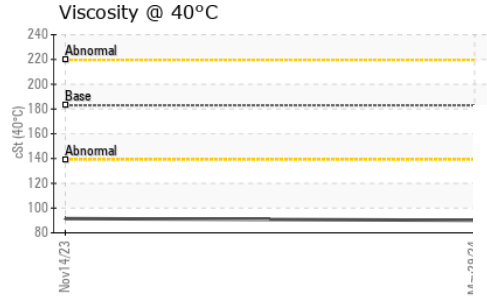
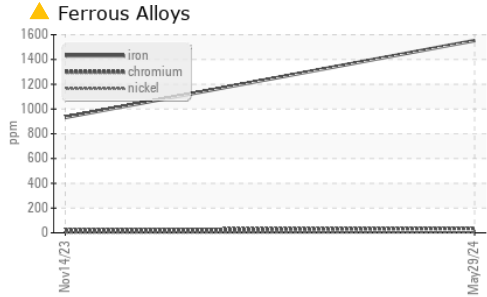
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >400	286	188	---
Sodium	ppm	ASTM D5185m	12	9	---
Potassium	ppm	ASTM D5185m >20	20	12	---

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual NONE	NONE	NONE	---
Precipitate	scalar	*Visual NONE	NONE	NONE	---
Silt	scalar	*Visual NONE	NONE	NONE	---
Debris	scalar	*Visual NONE	NONE	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

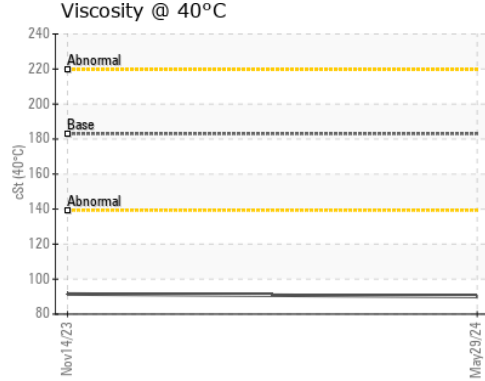
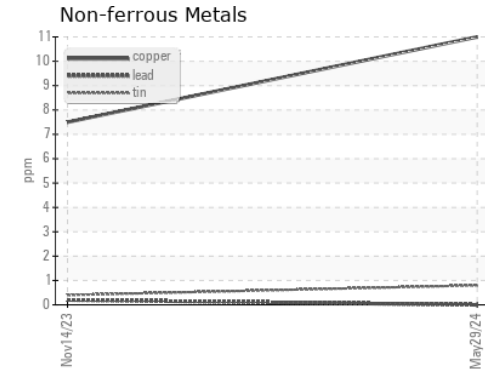
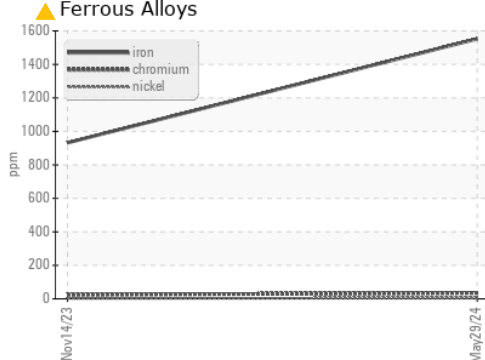


FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 183	90.1	91.5	---

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WC0918068 **Received** : 10 Jun 2024
Lab Number : **06205180** **Tested** : 12 Jun 2024
Unique Number : 11072641 **Diagnosed** : 12 Jun 2024 - Angela Borella
Test Package : CONST

SHERWOOD CONSTRUCTION CO INC
 3219 WEST MAY ST
 WICHITA, KS
 US 67213
 Contact: BILL ORCUTT
 william.orcutt@wildcat.net
 T: (719)499-6303
 F: x:

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)