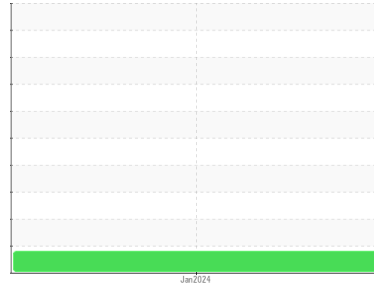




OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
CR6624 - OUTER
 Component
Front Left Planetary
 Fluid
GEAR OIL ISO 220 (--- GAL)

DIAGNOSIS

▲ Recommendation

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

▲ Wear

The copper level is abnormal. All other 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	WC0867366	---	---
Sample Date	Client Info	03 Jan 2024	---	---
Machine Age	hrs Client Info	11375	---	---
Oil Age	hrs Client Info	0	---	---
Oil Changed	Client Info	Changed	---	---
Sample Status		ABNORMAL	---	---

CONTAMINATION

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

WEAR METALS

method	limit/base	current	history1	history2
Iron	ppm ASTM D5185m >500	27	---	---
Chromium	ppm ASTM D5185m >10	0	---	---
Nickel	ppm ASTM D5185m >10	<1	---	---
Titanium	ppm ASTM D5185m	0	---	---
Silver	ppm ASTM D5185m	0	---	---
Aluminum	ppm ASTM D5185m >25	0	---	---
Lead	ppm ASTM D5185m >25	17	---	---
Copper	ppm ASTM D5185m >75	▲ 82	---	---
Tin	ppm ASTM D5185m >10	<1	---	---
Vanadium	ppm ASTM D5185m	0	---	---
Cadmium	ppm ASTM D5185m	0	---	---

ADDITIVES

method	limit/base	current	history1	history2
Boron	ppm ASTM D5185m 50	1	---	---
Barium	ppm ASTM D5185m 15	0	---	---
Molybdenum	ppm ASTM D5185m 15	0	---	---
Manganese	ppm ASTM D5185m	1	---	---
Magnesium	ppm ASTM D5185m 50	0	---	---
Calcium	ppm ASTM D5185m 50	0	---	---
Phosphorus	ppm ASTM D5185m 350	322	---	---
Zinc	ppm ASTM D5185m 100	143	---	---
Sulfur	ppm ASTM D5185m 12500	5796	---	---

CONTAMINANTS

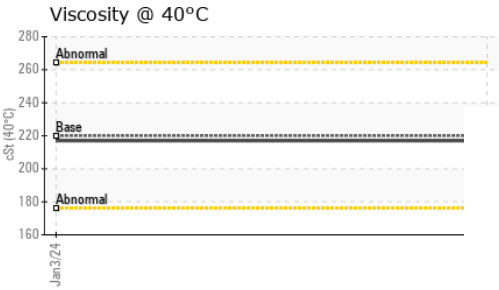
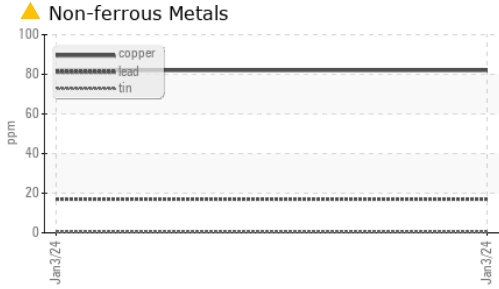
method	limit/base	current	history1	history2
Silicon	ppm ASTM D5185m >75	2	---	---
Sodium	ppm ASTM D5185m	0	---	---
Potassium	ppm ASTM D5185m >20	<1	---	---

VISUAL

method	limit/base	current	history1	history2
White Metal	scalar *Visual NONE	LIGHT	---	---
Yellow Metal	scalar *Visual NONE	NONE	---	---
Precipitate	scalar *Visual NONE	NONE	---	---
Silt	scalar *Visual NONE	LIGHT	---	---
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 >0.2	NEG	---	---
Free Water	scalar *Visual	NEG	---	---



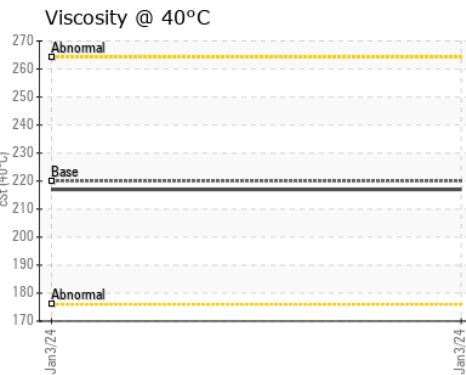
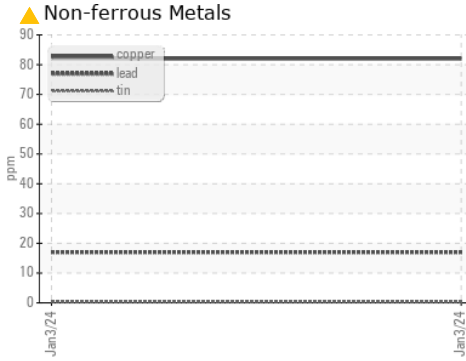
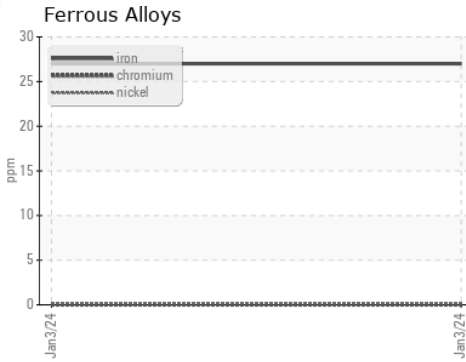
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 220	217	---	---

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : WC0867366
 Lab Number : **06060491**
 Unique Number : 10831873
 Test Package : CONST

Recieved : 12 Jan 2024
 Diagnosed : 16 Jan 2024
 Diagnostician : Don Baldrige

BUCKNER - WILLIS
 18123 HWY 75 NORTH
 WILLIS, TX
 US 77378

Contact: JOHN HAWKINS
 johnh@bucknercompanies.com

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: