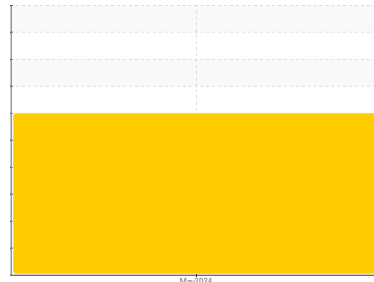




PROBLEM SUMMARY

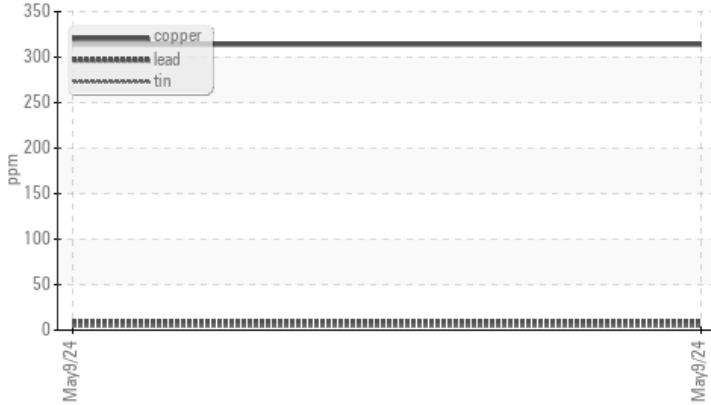
Area
MINING
 Machine Id
ME-124 JOHN DEERE 844L 1DW844LXKLF706566
 Component
Rear Differential
 Fluid
SHELL Spirax S4 CX 30 (--- GAL)

Sample Rating Trend



COMPONENT CONDITION SUMMARY

▲ Non-ferrous Metals



RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	---	---
Copper	ppm	ASTM D5185m	>100	▲ 314	---	---

Customer Id: COVJUN
 Sample No.: WC0920499
 Lab Number: 06199603
 Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
 Don Baldrige +1
don.b505@comcast.net

To change component or sample information:
 Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

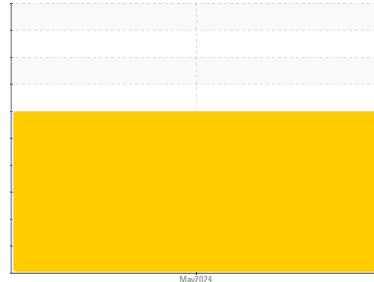
Action	Status	Date	Done By	Description
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Area

MINING

Machine Id

ME-124 JOHN DEERE 844L 1DW844LXKLF706566

Component

Rear Differential

Fluid

SHELL Spirax S4 CX 30 (--- GAL)

DIAGNOSIS

▲ Recommendation

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

▲ Wear

Bearing and/or bushing wear is indicated. 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		WC0920499	---	---
Sample Date	Client Info		09 May 2024	---	---
Machine Age	hrs	Client Info	8198	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			SEVERE	---	---

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	112	---
Chromium	ppm	ASTM D5185m	>10	<1	---
Nickel	ppm	ASTM D5185m	>10	0	---
Titanium	ppm	ASTM D5185m		0	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>25	1	---
Lead	ppm	ASTM D5185m	>25	10	---
Copper	ppm	ASTM D5185m	>100	▲ 314	---
Tin	ppm	ASTM D5185m	>10	4	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	---
Barium	ppm	ASTM D5185m		0	---
Molybdenum	ppm	ASTM D5185m		<1	---
Manganese	ppm	ASTM D5185m		4	---
Magnesium	ppm	ASTM D5185m		80	---
Calcium	ppm	ASTM D5185m		3152	---
Phosphorus	ppm	ASTM D5185m		950	---
Zinc	ppm	ASTM D5185m		984	---
Sulfur	ppm	ASTM D5185m		3787	---

CONTAMINANTS

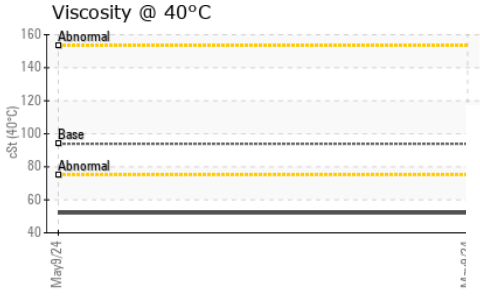
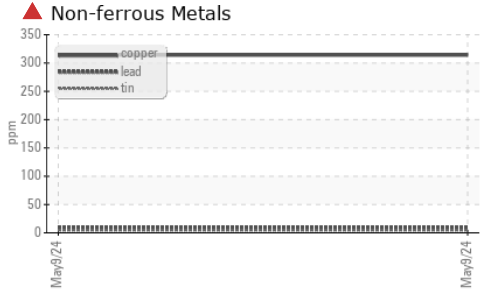
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	8	---
Sodium	ppm	ASTM D5185m		2	---
Potassium	ppm	ASTM D5185m	>20	0	---

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	---



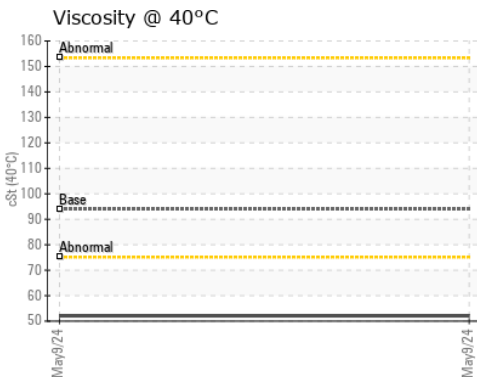
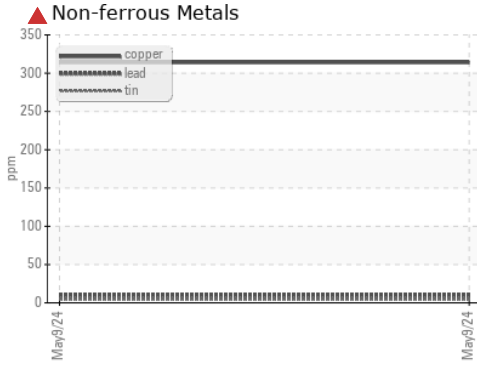
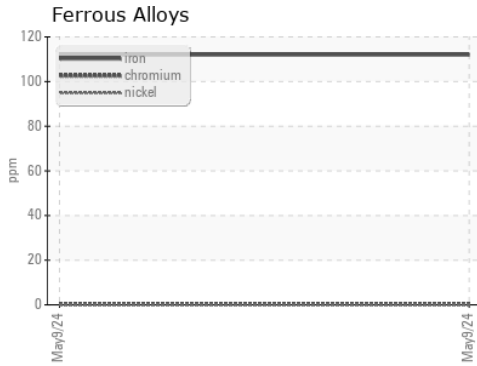
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	93.9	52.1	---

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. : WC0920499
Lab Number : 06199603
Unique Number : 11061726
Test Package : CONST

Received : 04 Jun 2024
Tested : 05 Jun 2024
Diagnosed : 06 Jun 2024 - Don Baldrige

COVIA - JUNCTION CITY - 095
 1333 SANDPIT ROAD
 MAUK, GA
 US 31058

Contact: Phil Ivanisin
 phil.ivanisin@coviacorp.com
 T: (478)244-7020

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)