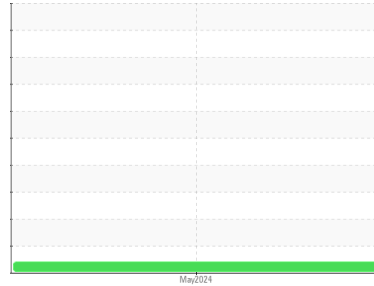


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
JOHN DEERE 4044M 1LV4044MLJJ103663
 Component
Front Differential
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. 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 oil viscosity is lower than normal.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0211412	---	---
Sample Date	Client Info		29 May 2024	---	---
Machine Age	hrs	Client Info	3029	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Changed	---	---
Sample Status			ATTENTION	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>.2	NEG	---	---

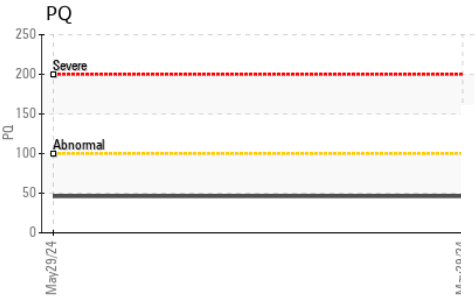
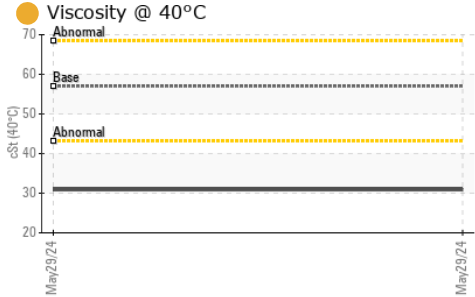
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184		46	---	---
Iron	ppm	ASTM D5185m >500	137	---	---
Chromium	ppm	ASTM D5185m >10	2	---	---
Nickel	ppm	ASTM D5185m >10	0	---	---
Titanium	ppm	ASTM D5185m	0	---	---
Silver	ppm	ASTM D5185m	0	---	---
Aluminum	ppm	ASTM D5185m >25	0	---	---
Lead	ppm	ASTM D5185m >25	0	---	---
Copper	ppm	ASTM D5185m >100	3	---	---
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 6	15	---	---
Barium	ppm	ASTM D5185m 0	6	---	---
Molybdenum	ppm	ASTM D5185m 0	0	---	---
Manganese	ppm	ASTM D5185m	4	---	---
Magnesium	ppm	ASTM D5185m 145	94	---	---
Calcium	ppm	ASTM D5185m 3570	3540	---	---
Phosphorus	ppm	ASTM D5185m 1290	1122	---	---
Zinc	ppm	ASTM D5185m 1640	1317	---	---
Sulfur	ppm	ASTM D5185m	5655	---	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	6	---	---
Sodium	ppm	ASTM D5185m	6	---	---
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



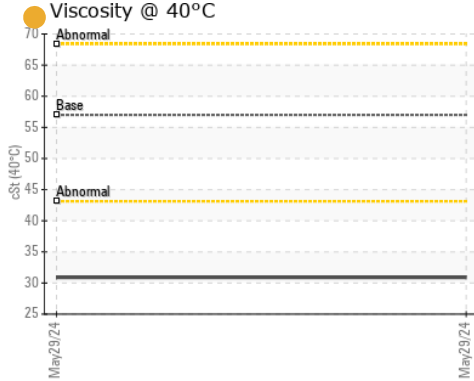
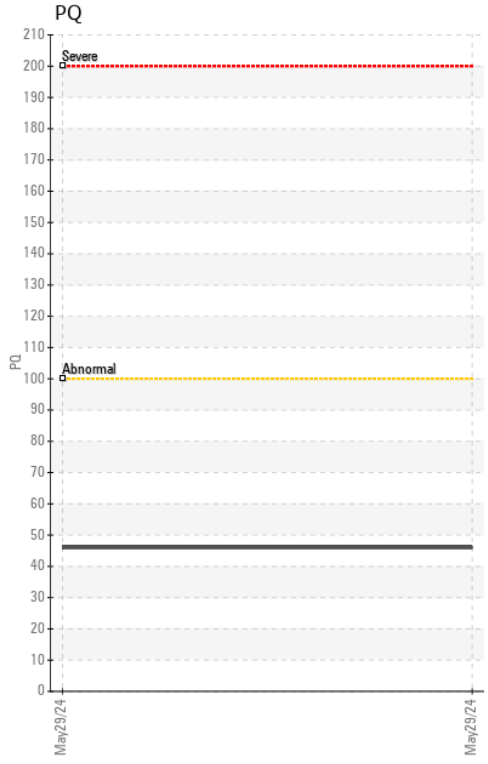
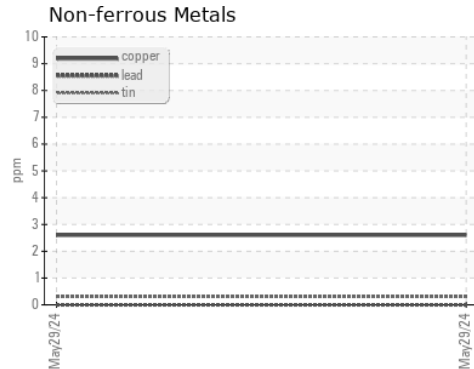
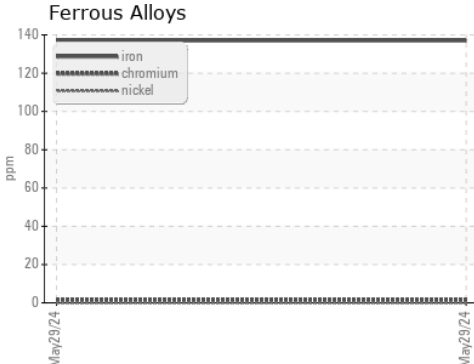
FLUID PROPERTIES

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 57.0	● 30.9	---	---

SAMPLE IMAGES

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0211412 **Received** : 30 May 2024
Lab Number : 06195685 **Tested** : 31 May 2024
Unique Number : 11057808 **Diagnosed** : 01 Jun 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

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)