

OIL ANALYSIS REPORT



Area
[W51889]
 Machine Id
JOHN DEERE 650J T0650JX102302
 Component
Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

Sample Rating Trend



WATER



DIAGNOSIS

▲ Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

▲ Contamination

There is a light concentration of water present 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		JR0212166	---	---
Sample Date	Client Info		22 May 2024	---	---
Machine Age	hrs	Client Info	7432	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		N/A	---	---
Sample Status			ABNORMAL	---	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	84	---	---
Iron	ppm	ASTM D5185m	>750	298	---
Chromium	ppm	ASTM D5185m	>9	3	---
Nickel	ppm	ASTM D5185m	>10	0	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>40	4	---
Lead	ppm	ASTM D5185m	>15	0	---
Copper	ppm	ASTM D5185m	>40	3	---
Tin	ppm	ASTM D5185m	>10	<1	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	34	---
Barium	ppm	ASTM D5185m	0	2	---
Molybdenum	ppm	ASTM D5185m	0	6	---
Manganese	ppm	ASTM D5185m		4	---
Magnesium	ppm	ASTM D5185m	145	97	---
Calcium	ppm	ASTM D5185m	3570	3580	---
Phosphorus	ppm	ASTM D5185m	1290	1170	---
Zinc	ppm	ASTM D5185m	1640	1304	---
Sulfur	ppm	ASTM D5185m		4684	---

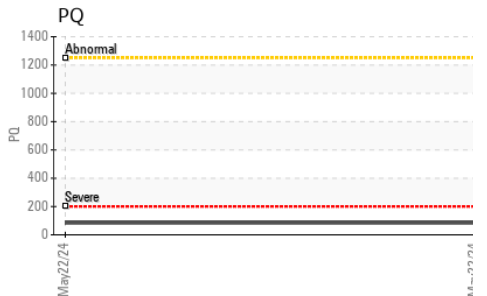
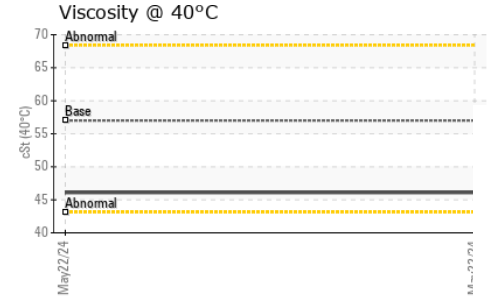
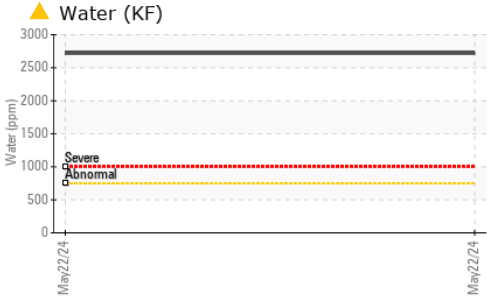
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	29	---
Sodium	ppm	ASTM D5185m	>51	3	---
Potassium	ppm	ASTM D5185m	>20	<1	---
Water	%	ASTM D6304	>0.075	▲ 0.272	---
ppm Water	ppm	ASTM D6304	>750	▲ 2720	---

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	>0.075	▲ 0.2%	---
Free Water	scalar	*Visual		NEG	---

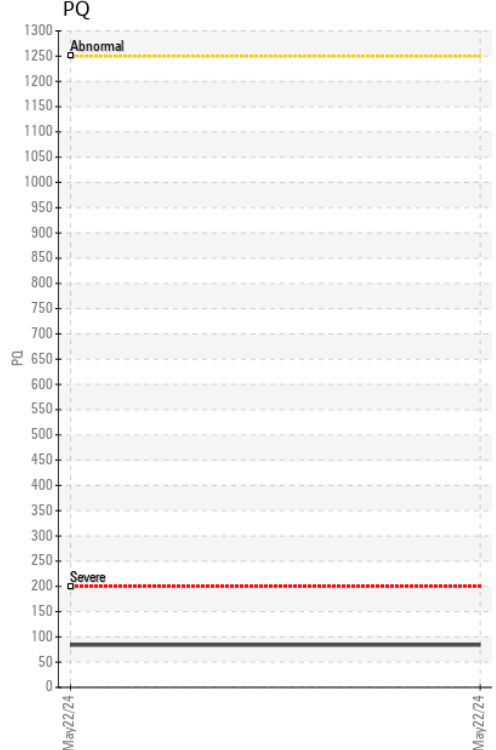
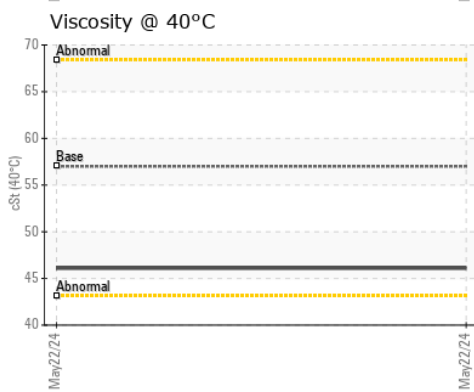
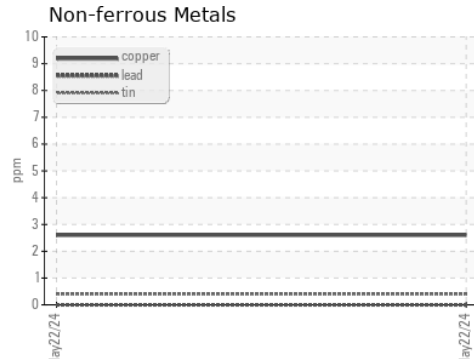
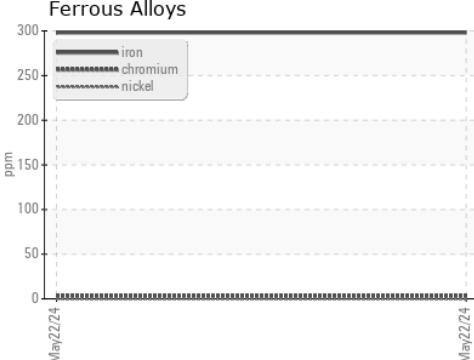
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	46.1	---	---

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. : JR0212166 **Received** : 30 May 2024
Lab Number : 06195688 **Tested** : 03 Jun 2024
Unique Number : 11057811 **Diagnosed** : 03 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, 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)