

OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
JOHN DEERE 410L 1T0410LXJKF358237
 Component
Front Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- QTS)

DIAGNOSIS

Recommendation

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 condition of the oil is acceptable for the time in service.

SAMPLE INFORMATION	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0224977	---	---
Sample Date	Client Info		14 Jun 2024	---	---
Machine Age	hrs	Client Info	1958	---	---
Oil Age	hrs	Client Info	0	---	---
Oil Changed	Client Info		Not Chngd	---	---
Sample Status			NORMAL	---	---

CONTAMINATION	method	limit/base	current	history1	history2
Water	WC Method	>0.075	NEG	---	---

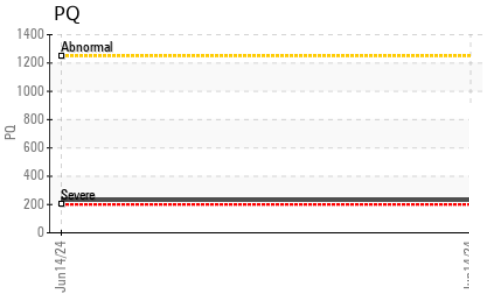
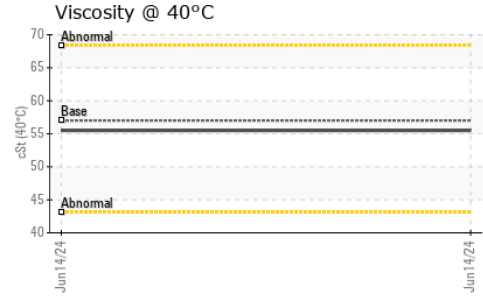
WEAR METALS	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	231	---	---
Iron	ppm	ASTM D5185m	>750	439	---
Chromium	ppm	ASTM D5185m	>9	7	---
Nickel	ppm	ASTM D5185m	>10	0	---
Titanium	ppm	ASTM D5185m		<1	---
Silver	ppm	ASTM D5185m		0	---
Aluminum	ppm	ASTM D5185m	>40	3	---
Lead	ppm	ASTM D5185m	>15	<1	---
Copper	ppm	ASTM D5185m	>40	3	---
Tin	ppm	ASTM D5185m	>10	<1	---
Vanadium	ppm	ASTM D5185m		<1	---
Cadmium	ppm	ASTM D5185m		<1	---

ADDITIVES	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	6	101	---
Barium	ppm	ASTM D5185m	0	3	---
Molybdenum	ppm	ASTM D5185m	0	1	---
Manganese	ppm	ASTM D5185m		7	---
Magnesium	ppm	ASTM D5185m	145	28	---
Calcium	ppm	ASTM D5185m	3570	3587	---
Phosphorus	ppm	ASTM D5185m	1290	1148	---
Zinc	ppm	ASTM D5185m	1640	1406	---
Sulfur	ppm	ASTM D5185m		4498	---

CONTAMINANTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	20	---
Sodium	ppm	ASTM D5185m	>51	13	---
Potassium	ppm	ASTM D5185m	>20	2	---

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	MODER	---
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	NEG	---
Free Water	scalar	*Visual		NEG	---

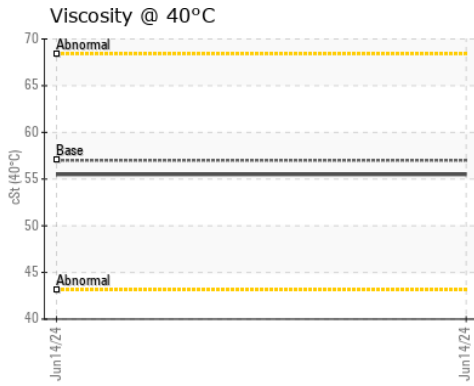
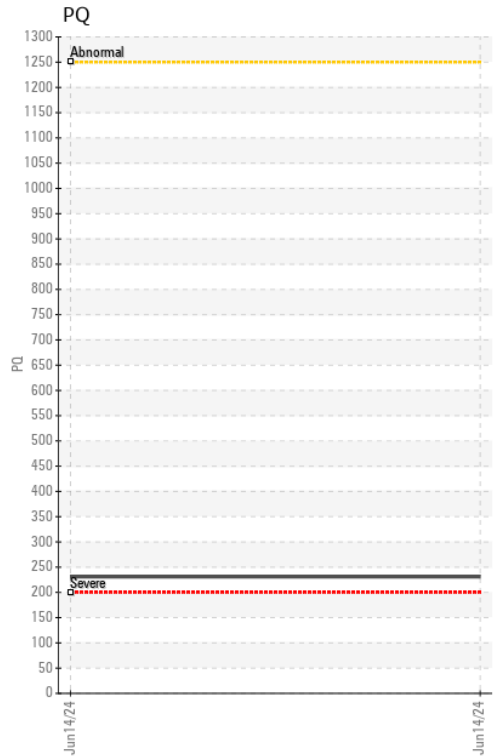
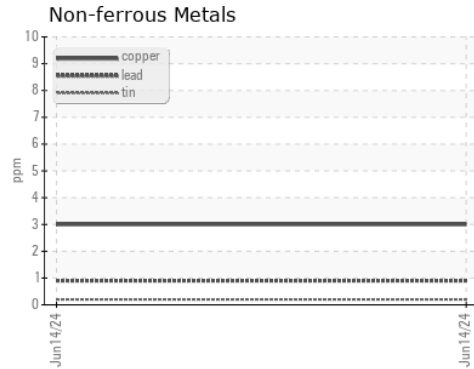
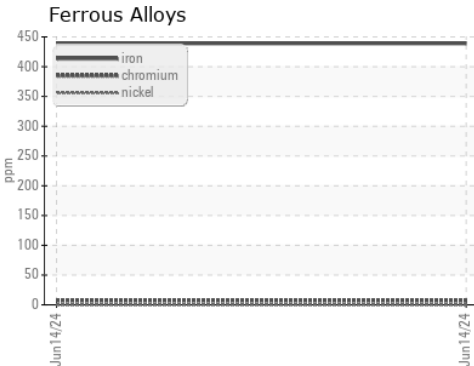
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	57.0	55.5	---	---

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. : JR0224977 **Received** : 21 Jun 2024
Lab Number : **06217072** **Tested** : 24 Jun 2024
Unique Number : 11089936 **Diagnosed** : 24 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
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 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)