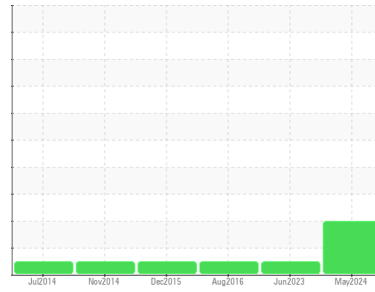


OIL ANALYSIS REPORT

Sample Rating Trend



VISCOSITY



Machine Id
JOHN DEERE 470GLC 1FF470GXJCE470633
Component
Left Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

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 oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		JR0212132	JR0165441	JRMC406305
Sample Date	Client Info		16 May 2024	08 Jun 2023	17 Aug 2016
Machine Age	hrs	Client Info	9011	7807	3735
Oil Age	hrs	Client Info	0	0	0
Oil Changed	Client Info		Changed	Changed	Changed
Sample Status			ATTENTION	NORMAL	NORMAL

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.1	NEG	NEG	NEG

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		27	23	19.0
Iron	ppm	ASTM D5185m >151	81	173	37
Chromium	ppm	ASTM D5185m >11	<1	3	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	<1	<1	<1
Silver	ppm	ASTM D5185m	0	0	0
Aluminum	ppm	ASTM D5185m >21	3	2	<1
Lead	ppm	ASTM D5185m >51	<1	0	0
Copper	ppm	ASTM D5185m >51	<1	1	<1
Tin	ppm	ASTM D5185m >10	0	0	6
Antimony	ppm	ASTM D5185m >5	---	---	0
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	<1

ADDITIVES

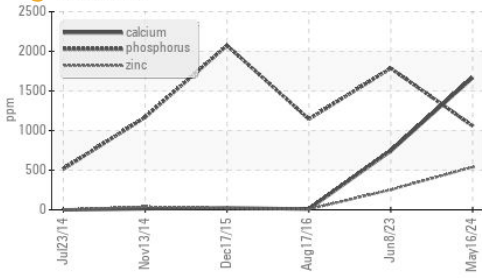
	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	85	49	159
Barium	ppm	ASTM D5185m	0	0	0
Molybdenum	ppm	ASTM D5185m	2	<1	<1
Manganese	ppm	ASTM D5185m	<1	3	<1
Magnesium	ppm	ASTM D5185m	17	6	2
Calcium	ppm	ASTM D5185m	1666	742	9
Phosphorus	ppm	ASTM D5185m	1059	1786	1145
Zinc	ppm	ASTM D5185m	539	253	7
Sulfur	ppm	ASTM D5185m	12701	22466	18040

CONTAMINANTS

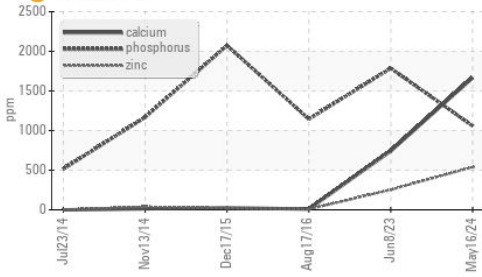
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >31	14	14	6
Sodium	ppm	ASTM D5185m >51	<1	3	4
Potassium	ppm	ASTM D5185m >20	<1	3	2

OIL ANALYSIS REPORT

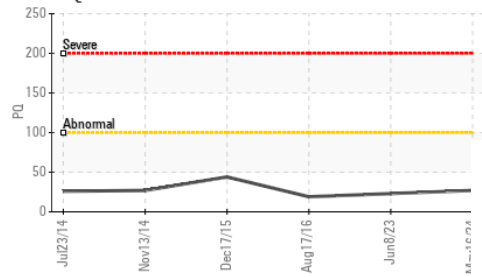
● Additives



● Additives



PQ



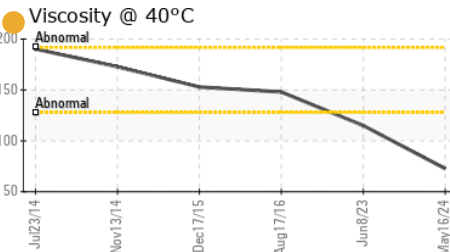
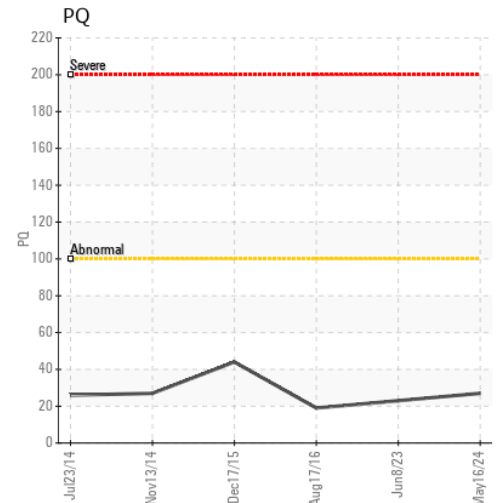
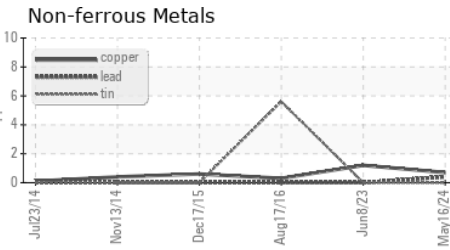
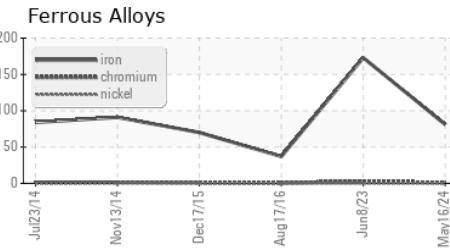
VISUAL	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
Silt	scalar	*Visual	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG

FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445	● 72.7	115	148.0

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

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212132 **Received** : 20 May 2024
Lab Number : 06184577 **Tested** : 21 May 2024
Unique Number : 11035903 **Diagnosed** : 22 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

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