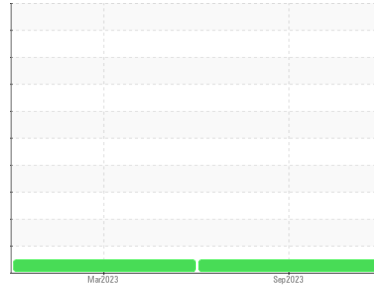


OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL


Machine Id
JOHN DEERE 524 P 1DW524PAHNLZ15393
 Component
Front Differential
 Fluid
NOT GIVEN (--- 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 fluid.

Fluid Condition

The condition of the fluid is acceptable for the time in service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			JR0179962	JR0163870	---
Sample Date	Client Info			27 Sep 2023	10 Mar 2023	---
Machine Age	hrs	Client Info		1068	530	---
Oil Age	hrs	Client Info		1068	530	---
Oil Changed	Client Info			Not Chngd	Changed	---
Sample Status				NORMAL	NORMAL	---

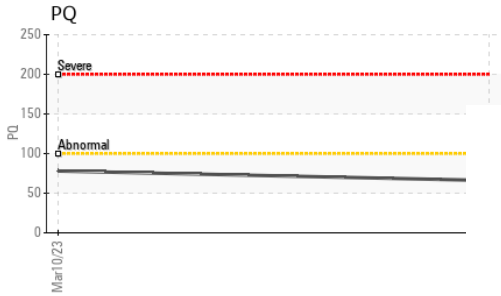
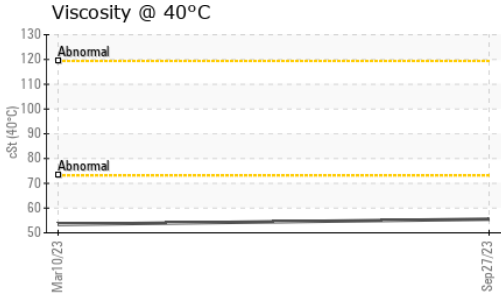
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		66	78	---
Iron	ppm	ASTM D5185m	>500	139	105	---
Chromium	ppm	ASTM D5185m	>10	1	1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	3	2	---
Lead	ppm	ASTM D5185m	>25	7	7	---
Copper	ppm	ASTM D5185m	>100	10	19	---
Tin	ppm	ASTM D5185m	>10	<1	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		1	2	---
Barium	ppm	ASTM D5185m		3	4	---
Molybdenum	ppm	ASTM D5185m		3	1	---
Manganese	ppm	ASTM D5185m		8	12	---
Magnesium	ppm	ASTM D5185m		102	89	---
Calcium	ppm	ASTM D5185m		3438	3253	---
Phosphorus	ppm	ASTM D5185m		1024	919	---
Zinc	ppm	ASTM D5185m		1213	1166	---
Sulfur	ppm	ASTM D5185m		3673	3918	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	16	13	---
Sodium	ppm	ASTM D5185m		2	5	---
Potassium	ppm	ASTM D5185m	>20	2	2	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	LIGHT	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Precipitate	scalar	*Visual	NONE	NONE	NONE	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>.2	NEG	NEG	---
Free Water	scalar	*Visual		NEG	NEG	---

OIL ANALYSIS REPORT



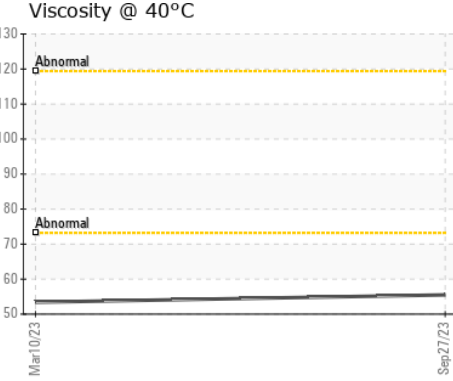
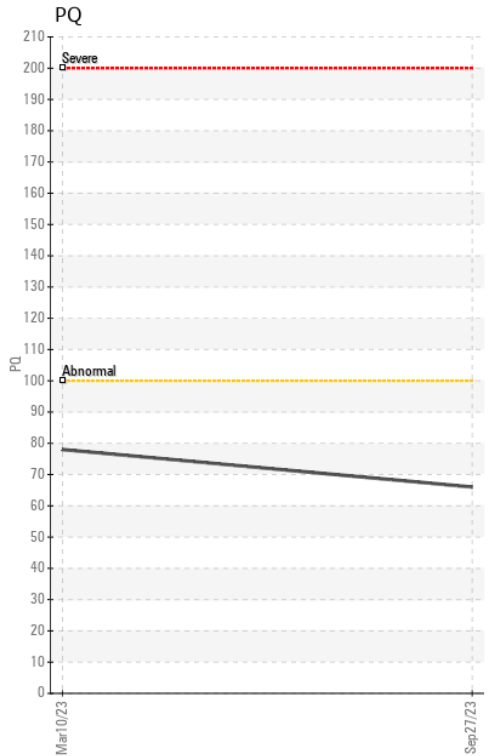
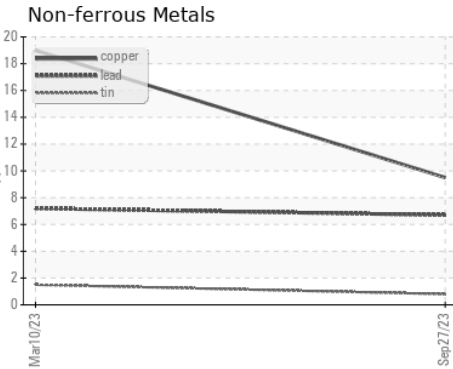
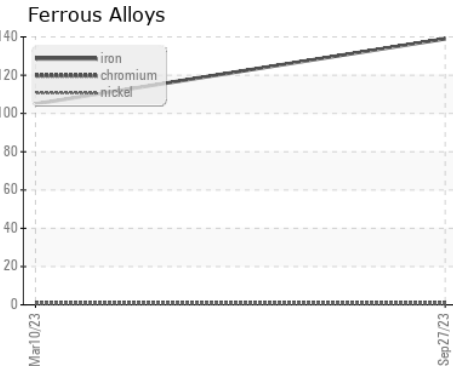
FLUID PROPERTIES	method	limit/base	current	history1	history2
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Visc @ 40°C	cSt	ASTM D445	55.5	53.4	---
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SAMPLE IMAGES	method	limit/base	current	history1	history2
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Color	no image	no image	no image	no image	no image
Bottom	no image	no image	no image	no image	no image

GRAPHS



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0179962 **Received** : 28 Sep 2023
Lab Number : 05963715 **Diagnosed** : 29 Sep 2023
Unique Number : 10670266 **Diagnostician** : 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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 US 23005
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 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292