
 Machine Id
JOHN DEERE 1DW648LXCHF685318

 Component
Rear Differential
 Fluid
NOT GIVEN (--- 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 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			JR0174979	JRMC461123	---
Sample Date	Client Info			14 Jul 2023	12 Sep 2018	---
Machine Age	hrs	Client Info		6576	457	---
Oil Age	hrs	Client Info		0	457	---
Oil Changed	Client Info			Not Changed	Changed	---
Sample Status				NORMAL	NORMAL	---

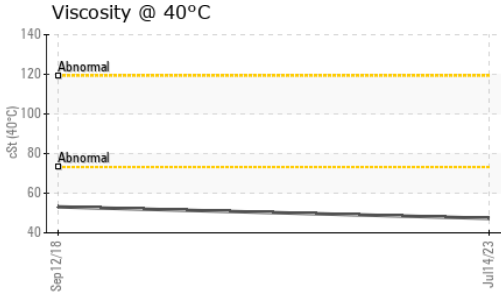
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		21	51	---
Iron	ppm	ASTM D5185m	>500	83	94	---
Chromium	ppm	ASTM D5185m	>10	<1	<1	---
Nickel	ppm	ASTM D5185m	>10	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>25	1	<1	---
Lead	ppm	ASTM D5185m	>25	7	3	---
Copper	ppm	ASTM D5185m	>100	42	10	---
Tin	ppm	ASTM D5185m	>10	2	0	---
Antimony	ppm	ASTM D5185m	>5	---	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
Cadmium	ppm	ASTM D5185m		0	0	---

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		0	3	---
Barium	ppm	ASTM D5185m		0	3	---
Molybdenum	ppm	ASTM D5185m		<1	<1	---
Manganese	ppm	ASTM D5185m		2	3	---
Magnesium	ppm	ASTM D5185m		89	92	---
Calcium	ppm	ASTM D5185m		3519	3277	---
Phosphorus	ppm	ASTM D5185m		1034	972	---
Zinc	ppm	ASTM D5185m		1210	1168	---
Sulfur	ppm	ASTM D5185m		3560	3042	---

CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	6	7	---
Sodium	ppm	ASTM D5185m		0	4	---
Potassium	ppm	ASTM D5185m	>20	3	2	---

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
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



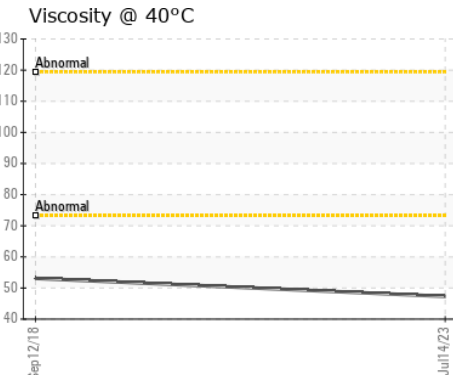
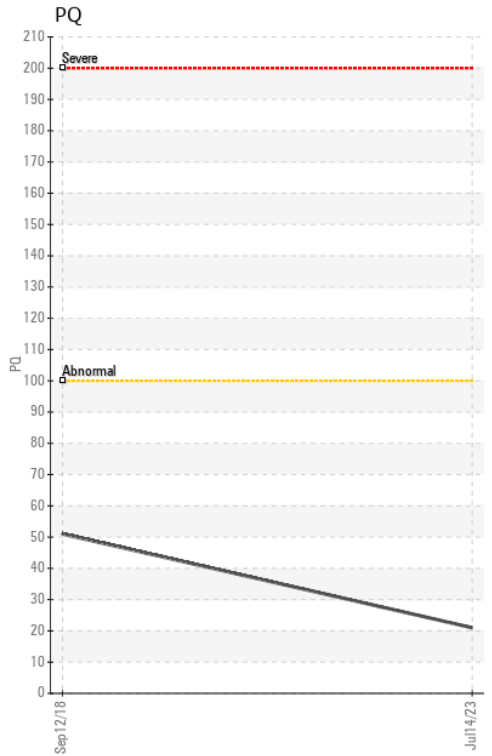
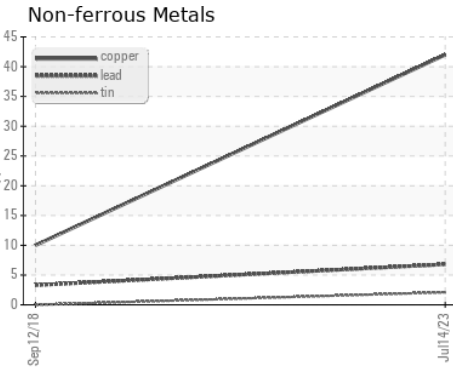
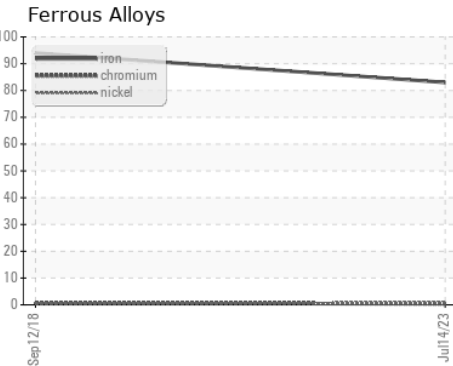
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	47.3	53.11	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
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. : JR0174979 **Received** : 17 Jul 2023
Lab Number : 05900205 **Diagnosed** : 19 Jul 2023
Unique Number : 10561561 **Diagnostician** : Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

DEVIN LOGGING
P.O. BOX 28
WYLLIESBURG, VA
US 23976
Contact: SERVICE MANAGER

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)

T: (434)735-8620

F: