



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 300GLC PM071598 (S/N 1FF300GXLNF732203)

Component
Rear Right Pump Drive

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0192758	JR0188864	JR0162360
Sample Date		Client Info		20 Feb 2024	13 Oct 2023	24 May 2023
Machine Age	hrs	Client Info		1450	500	500
Oil Age	hrs	Client Info		950	500	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		14	18	15
Iron	ppm	ASTM D5185m	>500	39	68	52
Chromium	ppm	ASTM D5185m	>15	<1	2	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>20	3	3	2
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m	>35	<1	<1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

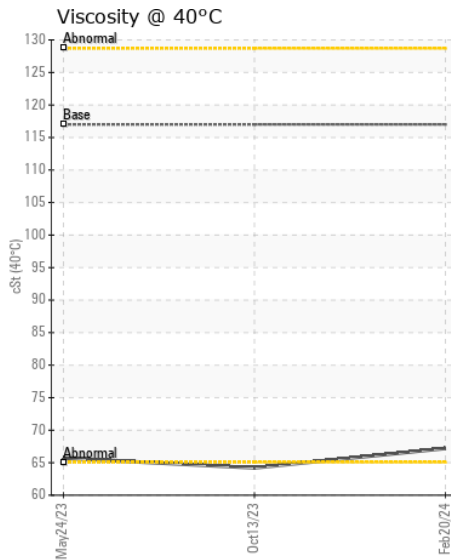
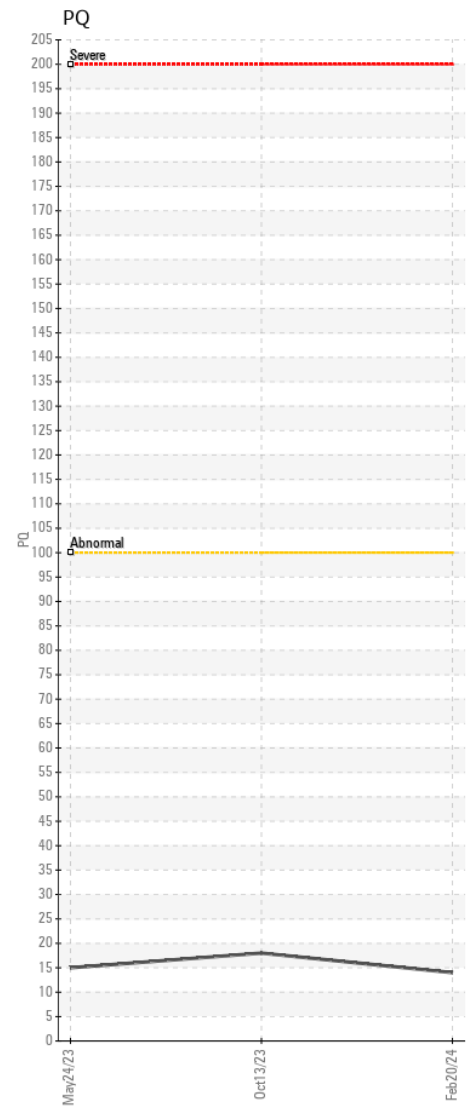
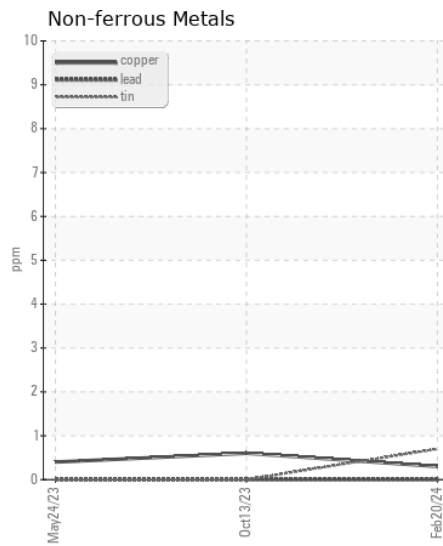
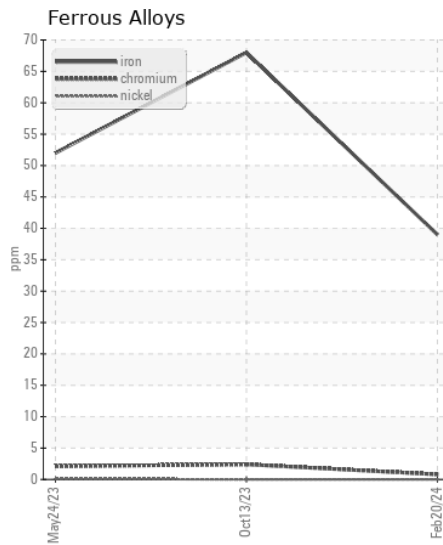
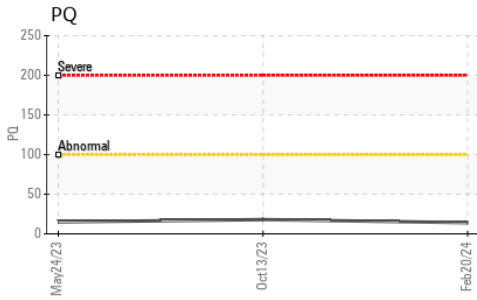
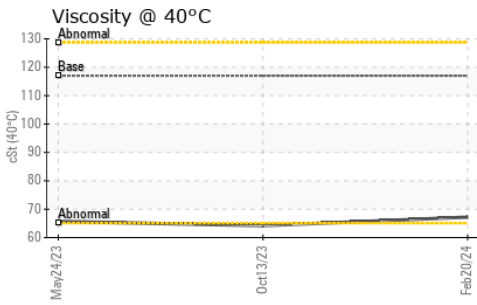
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	15	59	55
Potassium	ppm	ASTM D5185m	>20	0	4	3
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	<1	<1
Boron	ppm	ASTM D5185m		280	60	60
Barium	ppm	ASTM D5185m		0	8	8
Molybdenum	ppm	ASTM D5185m		244	113	112
Manganese	ppm	ASTM D5185m		1	4	4
Magnesium	ppm	ASTM D5185m		759	15	15
Calcium	ppm	ASTM D5185m		1463	4268	4255
Phosphorus	ppm	ASTM D5185m		955	1201	1213
Zinc	ppm	ASTM D5185m		1042	1416	1385
Sulfur	ppm	ASTM D5185m		3697	9018	9227
Visc @ 40°C	cSt	ASTM D445	117	67.2	64.2	65.7



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0192758 **Received** : 22 Feb 2024
Lab Number : 06097266 **Tested** : 23 Feb 2024
Unique Number : 10890119 **Diagnosed** : 23 Feb 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269
 Contact: James Ball
 JBall@jamesriverequipment.com

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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