



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 245G 1FF245GXVNF802609
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0208171	JR0187669	JR0172808
Sample Date		Client Info		28 Feb 2024	14 Sep 2023	03 May 2023
Machine Age	hrs	Client Info		2438	1937	1453
Oil Age	hrs	Client Info		2438	1937	1453
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		None	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		20	9	15
Iron	ppm	ASTM D5185m	>151	13	49	31
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	3	3	0
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	1	<1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

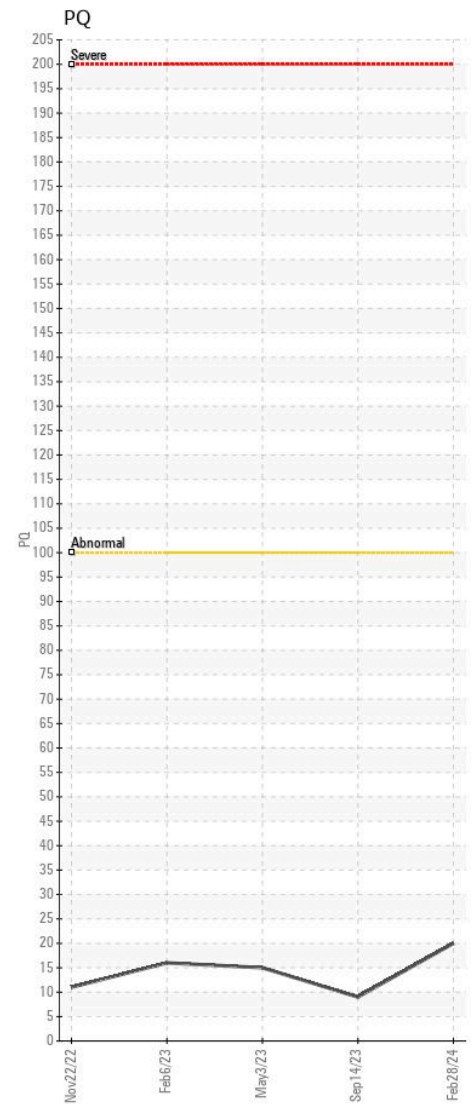
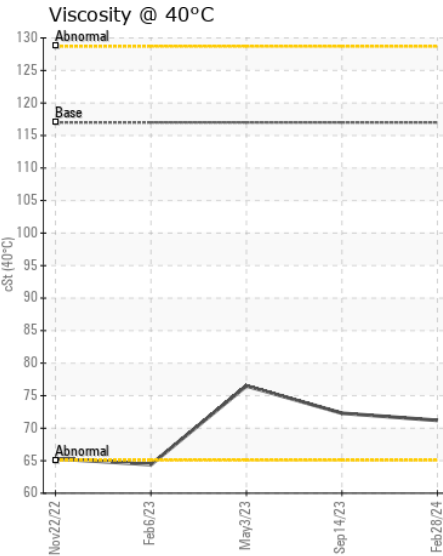
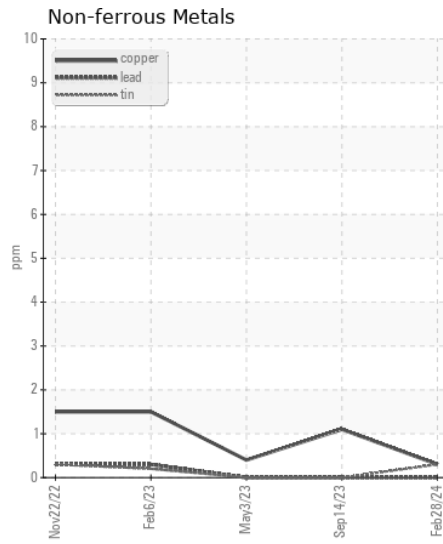
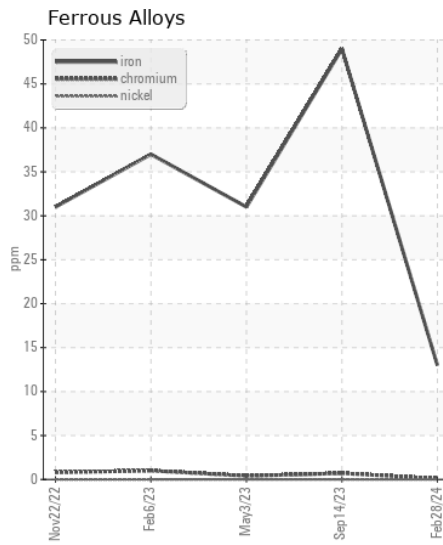
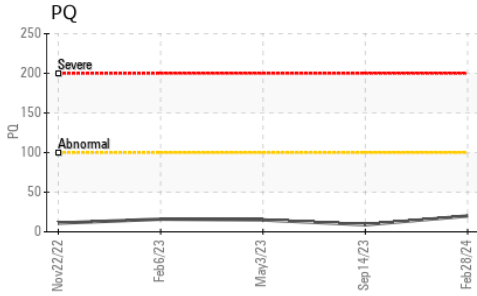
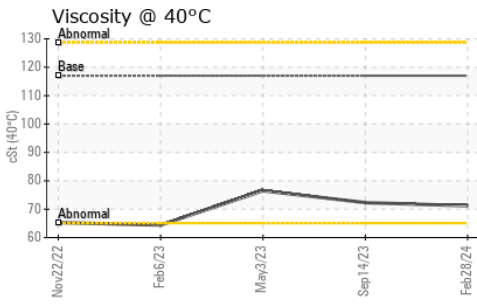
There is no indication of any contamination in the oil.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Silicon	ppm	ASTM D5185m	>31	6	12	11
Potassium	ppm	ASTM D5185m	>20	<1	<1	2
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sodium	ppm	ASTM D5185m	>51	2	3	0
Boron	ppm	ASTM D5185m		218	289	346
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		193	233	261
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		638	771	731
Calcium	ppm	ASTM D5185m		1728	1910	1840
Phosphorus	ppm	ASTM D5185m		900	988	1039
Zinc	ppm	ASTM D5185m		1061	1132	1164
Sulfur	ppm	ASTM D5185m		3137	4876	4463
Visc @ 40°C	cSt	ASTM D445	117	71.2	72.3	76.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0208171 **Received** : 01 Mar 2024
Lab Number : 06106388 **Tested** : 03 Mar 2024
Unique Number : 10909885 **Diagnosed** : 03 Mar 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

JRE - MANASSAS PARK
 9107 OWENS DRIVE
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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)