



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXVFF609867
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- LTR)

RECOMMENDATION

We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0157211	JR0062558	JR0034856
Sample Date		Client Info		20 Dec 2022	18 Sep 2020	17 Feb 2020
Machine Age	hrs	Client Info		4060	3429	3517
Oil Age	hrs	Client Info		842	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	N/A
Filter Changed		Client Info		N/A	Not Changd	N/A
Sample Status				SEVERE	SEVERE	SEVERE

WEAR

Gear wear is indicated.

PQ		ASTM D8184		286	360	▲ 1175
Iron	ppm	ASTM D5185m	>151	▲ 787	▲ 713	▲ 3768
Chromium	ppm	ASTM D5185m	>11	9	7	▲ 40
Nickel	ppm	ASTM D5185m	>10	0	<1	3
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	2	0
Aluminum	ppm	ASTM D5185m	>21	6	3	6
Lead	ppm	ASTM D5185m	>51	<1	<1	<1
Copper	ppm	ASTM D5185m	>51	1	1	6
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

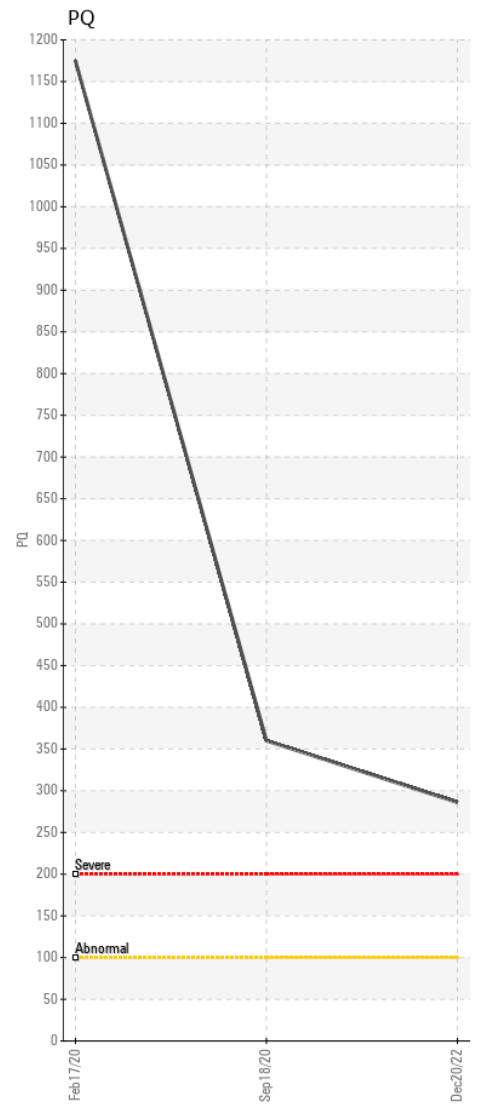
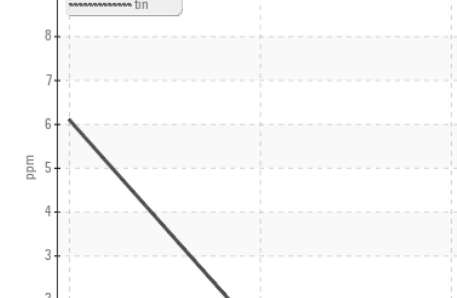
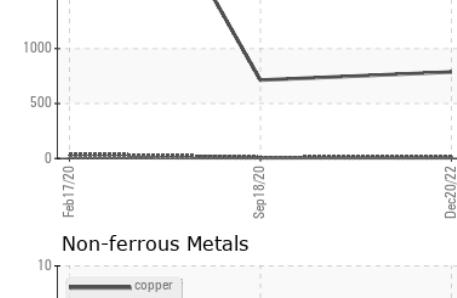
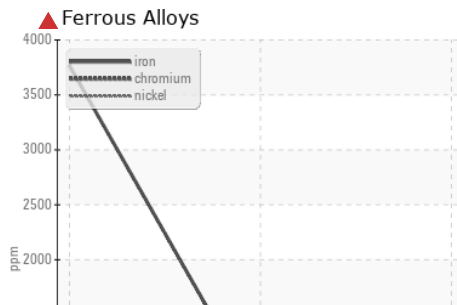
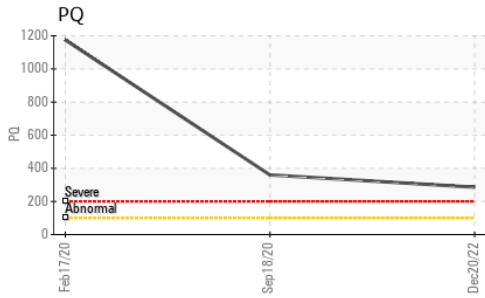
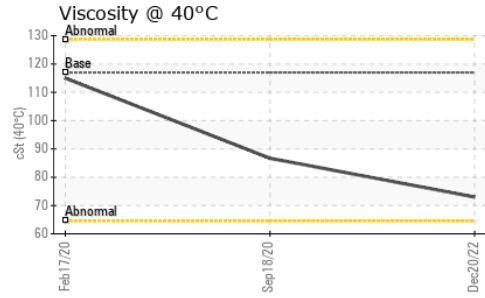
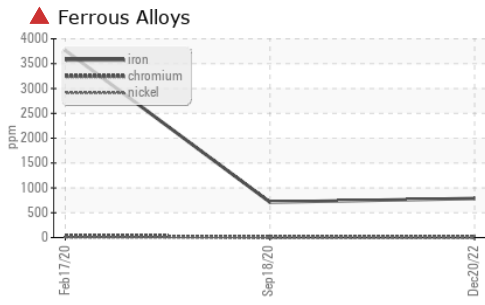
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	30	20	29
Potassium	ppm	ASTM D5185m	>20	0	<1	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	LIGHT
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.

Sodium	ppm	ASTM D5185m	>51	2	1	2
Boron	ppm	ASTM D5185m		213	209	51
Barium	ppm	ASTM D5185m		1	0	0
Molybdenum	ppm	ASTM D5185m		163	177	0
Manganese	ppm	ASTM D5185m		7	6	31
Magnesium	ppm	ASTM D5185m		537	616	251
Calcium	ppm	ASTM D5185m		1908	1366	2522
Phosphorus	ppm	ASTM D5185m		964	804	838
Zinc	ppm	ASTM D5185m		969	842	860
Sulfur	ppm	ASTM D5185m		6769	5992	7254
Visc @ 40°C	cSt	ASTM D445	117	73.0	86.7	115



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0157211 **Received** : 23 Dec 2022
Lab Number : 05725031 **Tested** : 27 Dec 2022
Unique Number : 10269612 **Diagnosed** : 27 Dec 2022 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - ASHEVILLE
 101 BRUCE DRIVE
 ASHEVILLE, NC
 US 28806

Contact: Randy Warren
 randy.warren@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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