



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXJLF814408
Component
Pump Drive
Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

We recommend that you drain the oil from the component if this has not already been done. 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		JR0212540	JR0071108	JR0055411
Sample Date		Client Info		07 May 2024	28 Dec 2020	25 Jun 2020
Machine Age	hrs	Client Info		4068	1008	471
Oil Age	hrs	Client Info		4068	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		Not Changd	N/A	Not Changd
Sample Status				SEVERE	ABNORMAL	ABNORMAL

WEAR

The iron level is severe. Gear wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		171	21	28
Iron	ppm	ASTM D5185m	>151	▲ 438	60	47
Chromium	ppm	ASTM D5185m	>11	4	2	2
Nickel	ppm	ASTM D5185m	>10	0	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	8	1	4
Lead	ppm	ASTM D5185m	>51	0	0	2
Copper	ppm	ASTM D5185m	>51	0	1	1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

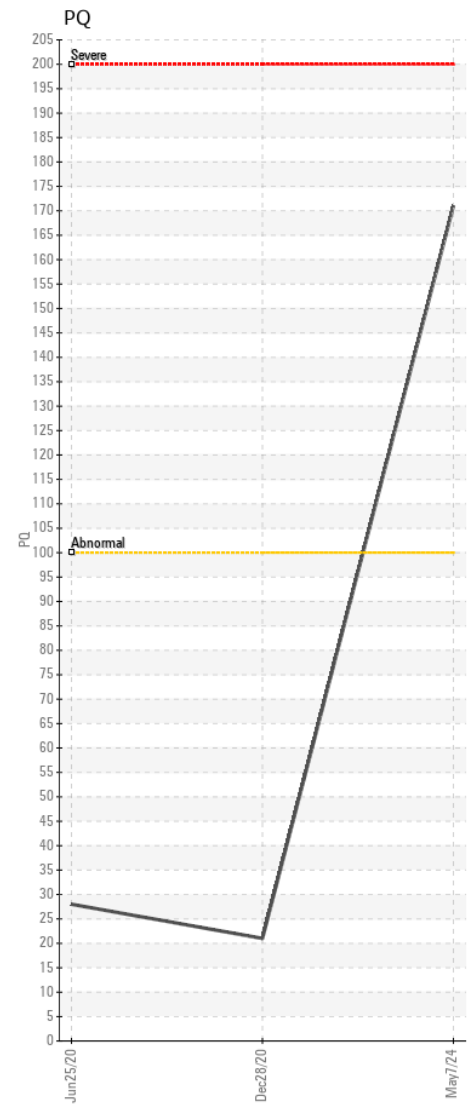
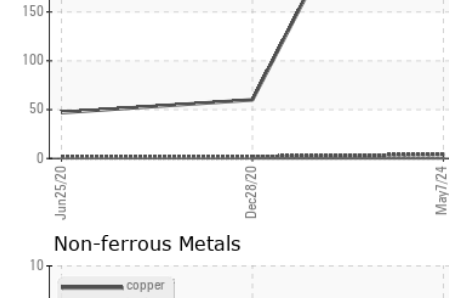
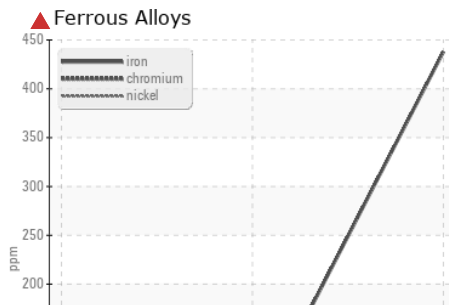
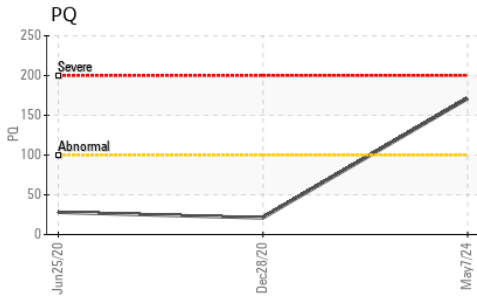
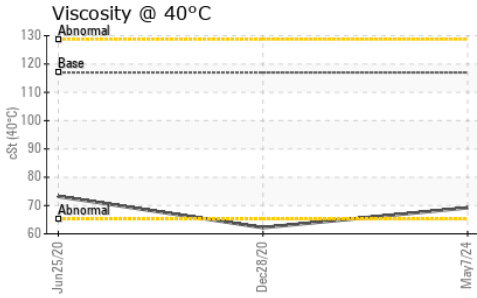
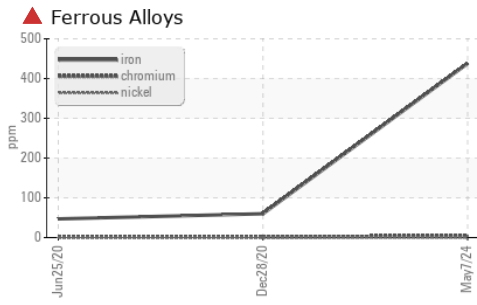
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	28	▲ 44	▲ 45
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
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 oil is no longer serviceable as a result of the abnormal and/or severe wear.

Sodium	ppm	ASTM D5185m	>51	1	<1	2
Boron	ppm	ASTM D5185m		297	57	57
Barium	ppm	ASTM D5185m		<1	8	8
Molybdenum	ppm	ASTM D5185m		281	105	101
Manganese	ppm	ASTM D5185m		4	4	3
Magnesium	ppm	ASTM D5185m		927	14	15
Calcium	ppm	ASTM D5185m		1606	3873	4433
Phosphorus	ppm	ASTM D5185m		1035	1127	1264
Zinc	ppm	ASTM D5185m		1161	1264	1408
Sulfur	ppm	ASTM D5185m		4462	7035	7346
Visc @ 40°C	cSt	ASTM D445	117	69.2	62.2	73.2



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212540 **Received** : 09 May 2024
Lab Number : 06174156 **Tested** : 10 May 2024
Unique Number : 11020209 **Diagnosed** : 12 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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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)