



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 350G 1FF350GXKMF815333
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0221940	JR0209621	JR0175251
Sample Date		Client Info		25 Jun 2024	13 Mar 2024	24 Aug 2023
Machine Age	hrs	Client Info		1977	1460	566
Oil Age	hrs	Client Info		1977	0	566
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		22	20	11
Iron	ppm	ASTM D5185m	>151	108	133	2
Chromium	ppm	ASTM D5185m	>11	3	3	0
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	5	7	2
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	2	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

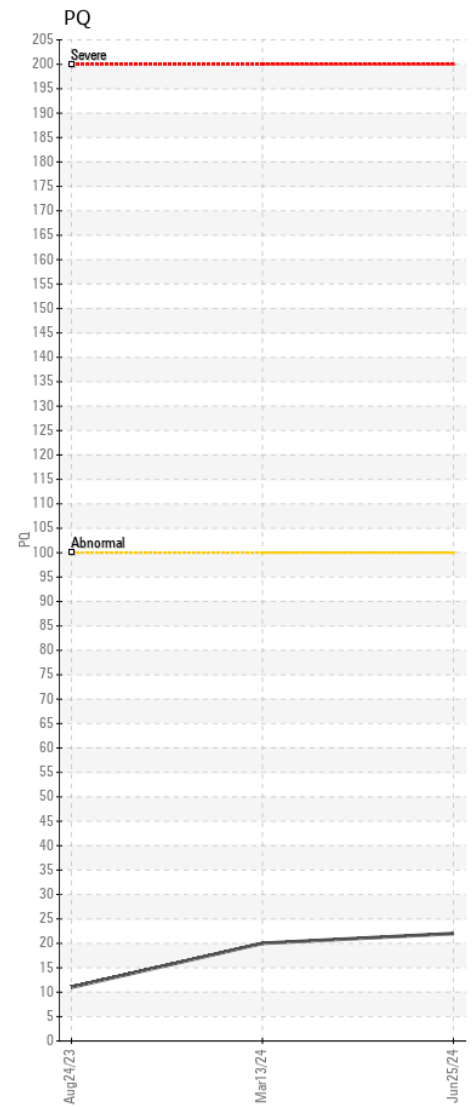
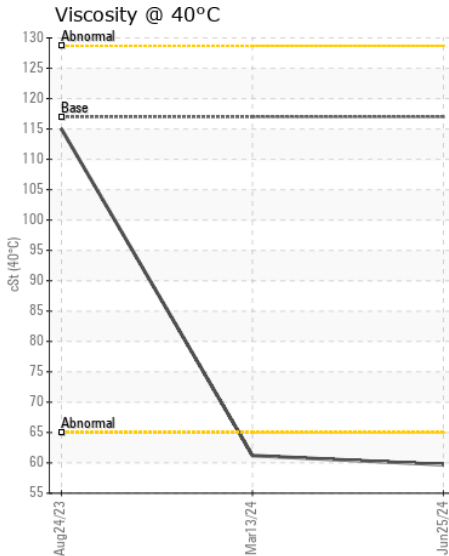
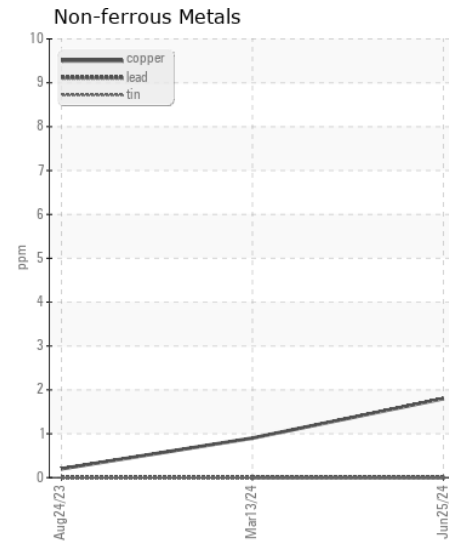
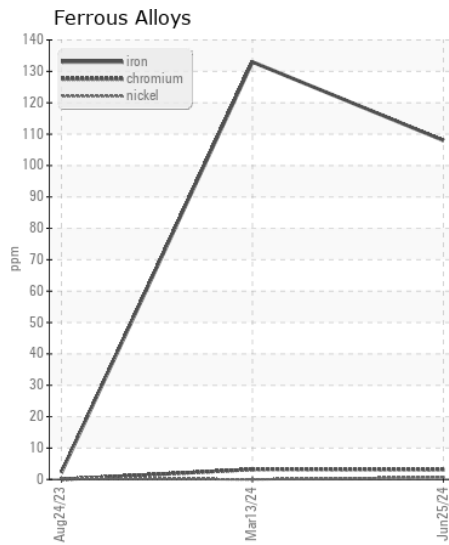
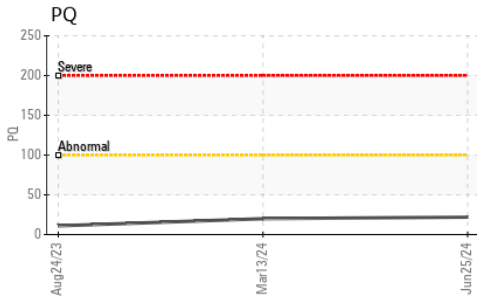
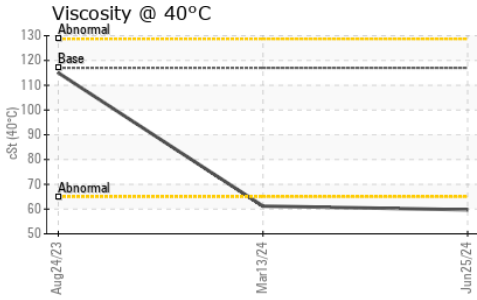
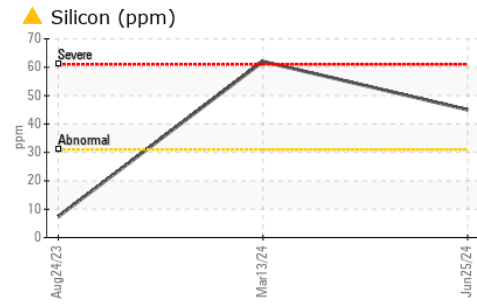
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>31	▲ 45	▲ 62	7
Potassium	ppm	ASTM D5185m	>20	5	4	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.

Sodium	ppm	ASTM D5185m	>51	7	3	<1
Boron	ppm	ASTM D5185m		58	58	313
Barium	ppm	ASTM D5185m		7	8	2
Molybdenum	ppm	ASTM D5185m		102	104	254
Manganese	ppm	ASTM D5185m		7	6	<1
Magnesium	ppm	ASTM D5185m		22	19	766
Calcium	ppm	ASTM D5185m		4218	3926	1398
Phosphorus	ppm	ASTM D5185m		1293	1160	886
Zinc	ppm	ASTM D5185m		1378	1290	1066
Sulfur	ppm	ASTM D5185m		9674	8420	3695
Visc @ 40°C	cSt	ASTM D445	117	59.7	61.2	115



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0221940 **Received** : 28 Jun 2024
Lab Number : 06223726 **Tested** : 01 Jul 2024
Unique Number : 11101923 **Diagnosed** : 01 Jul 2024 - Don Baldridge
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)