



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W51159]
 Machine Id
JOHN DEERE 350G 1FF350GXCJF812889
 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		JR0200054	JR0029008	JR0005090
Sample Date		Client Info		12 Apr 2024	19 Nov 2019	29 Mar 2019
Machine Age	hrs	Client Info		6074	1970	954
Oil Age	hrs	Client Info		0	1000	954
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		31	20	18
Iron	ppm	ASTM D5185m	>151	107	65	81
Chromium	ppm	ASTM D5185m	>11	2	1	3
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>21	4	5	2
Lead	ppm	ASTM D5185m	>51	<1	0	0
Copper	ppm	ASTM D5185m	>51	0	<1	1
Tin	ppm	ASTM D5185m	>4	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

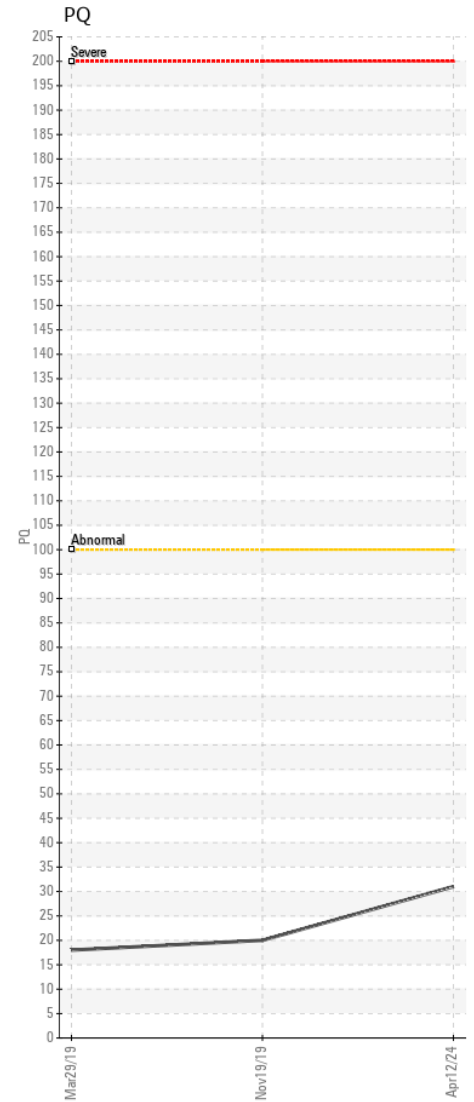
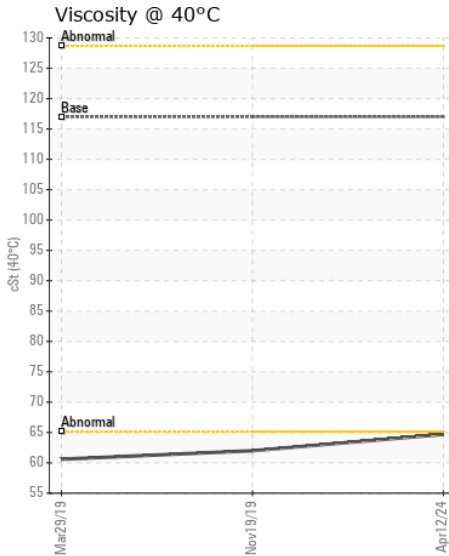
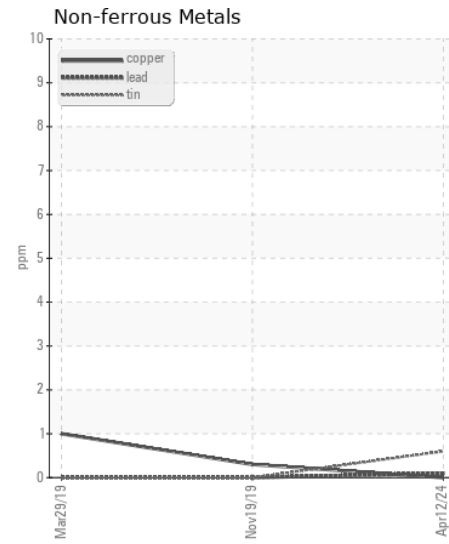
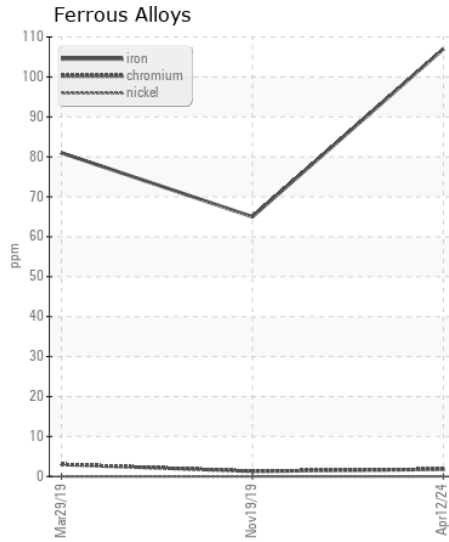
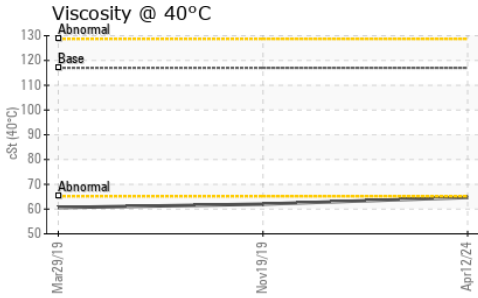
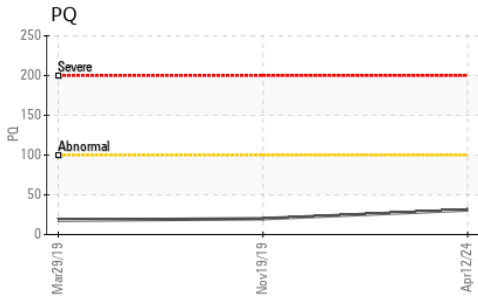
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	23	22	▲ 49
Potassium	ppm	ASTM D5185m	>20	3	2	20
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	2	4	4
Boron	ppm	ASTM D5185m		423	217	56
Barium	ppm	ASTM D5185m		0	<1	7
Molybdenum	ppm	ASTM D5185m		88	222	104
Manganese	ppm	ASTM D5185m		2	2	7
Magnesium	ppm	ASTM D5185m		417	694	16
Calcium	ppm	ASTM D5185m		1500	1489	4451
Phosphorus	ppm	ASTM D5185m		1030	943	1215
Zinc	ppm	ASTM D5185m		1042	979	1451
Sulfur	ppm	ASTM D5185m		3836	2968	7689
Visc @ 40°C	cSt	ASTM D445	117	64.7	62.0	60.6



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0200054 **Received** : 19 Apr 2024
Lab Number : 06154695 **Tested** : 22 Apr 2024
Unique Number : 10990118 **Diagnosed** : 23 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
 11047 LEADBETTER RD
 ASHLAND, VA
 US 23005
 Contact: DAVID ZIEG
 dzieg@jamesriverequipment.com
 T: (804)798-6001
 F: (804)798-0292

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)