



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL



Area
[W52665]
 Machine Id
JOHN DEERE 350GLC 1FF350GXLDE809738
 Component
Pump Drive
 Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0224887	JR0148666	JR0068470
Sample Date		Client Info		25 Jun 2024	25 Feb 2023	01 Dec 2020
Machine Age	hrs	Client Info		7956	6991	5967
Oil Age	hrs	Client Info		0	0	1000
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				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184		181	301	230
Iron	ppm	ASTM D5185m	>151	▲ 864	▲ 951	▲ 659
Chromium	ppm	ASTM D5185m	>11	8	9	6
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		2	2	1
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>21	● 25	● 23	20
Lead	ppm	ASTM D5185m	>51	<1	0	0
Copper	ppm	ASTM D5185m	>51	1	<1	<1
Tin	ppm	ASTM D5185m	>4	0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

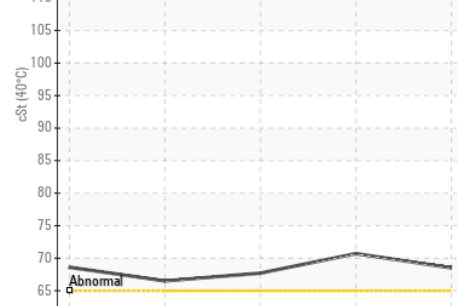
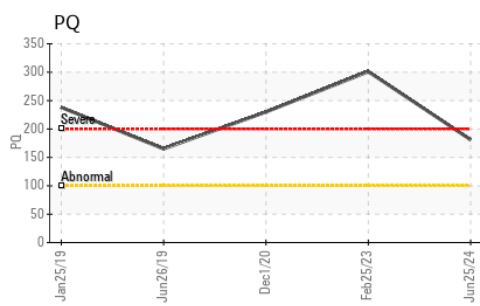
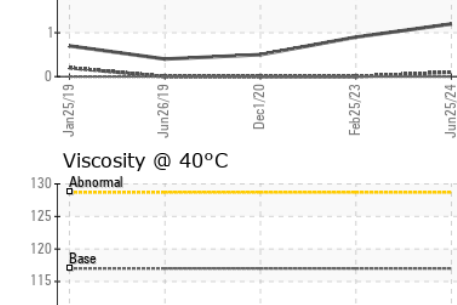
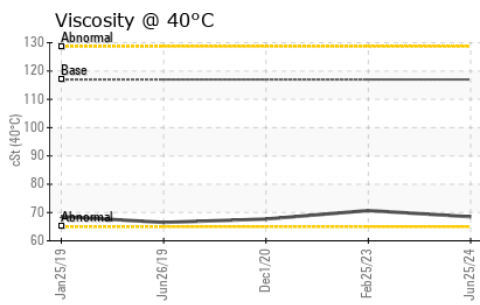
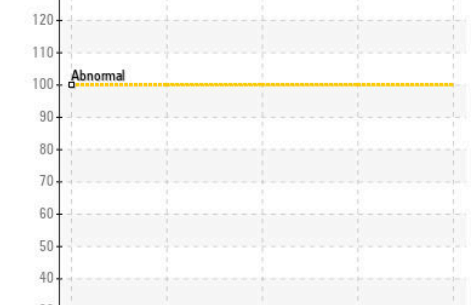
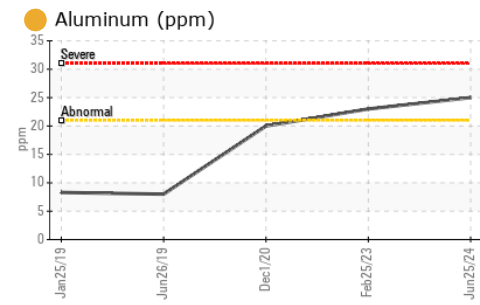
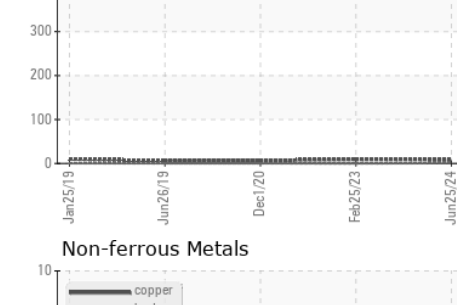
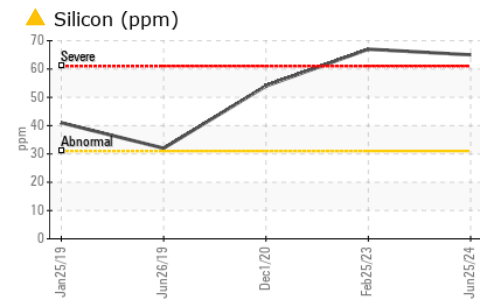
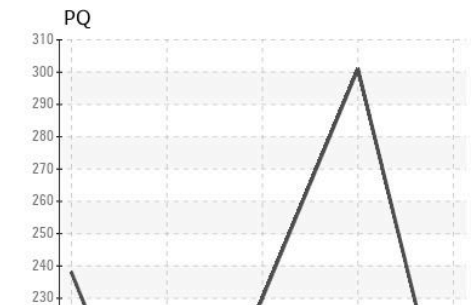
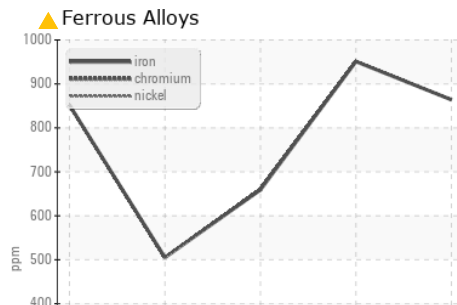
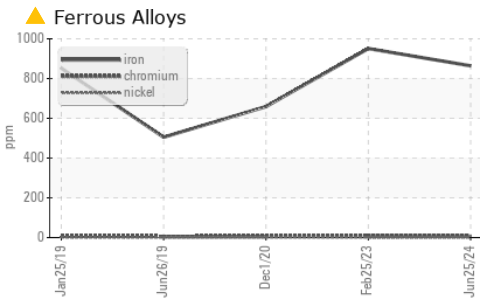
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>31	▲ 65	▲ 67	▲ 54
Potassium	ppm	ASTM D5185m	>20	4	2	8
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	<1	2	2
Boron	ppm	ASTM D5185m		289	257	266
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		250	236	220
Manganese	ppm	ASTM D5185m		7	8	5
Magnesium	ppm	ASTM D5185m		802	802	767
Calcium	ppm	ASTM D5185m		1413	1465	1426
Phosphorus	ppm	ASTM D5185m		1028	892	908
Zinc	ppm	ASTM D5185m		1103	1026	1044
Sulfur	ppm	ASTM D5185m		4565	3895	2929
Visc @ 40°C	cSt	ASTM D445	117	68.5	70.7	67.7



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0224887 **Received** : 01 Jul 2024
Lab Number : 06224814 **Tested** : 02 Jul 2024
Unique Number : 11103011 **Diagnosed** : 02 Jul 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)