



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 50G 1FF050GXKKH290441
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- 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.

WEAR

All component wear rates are normal.

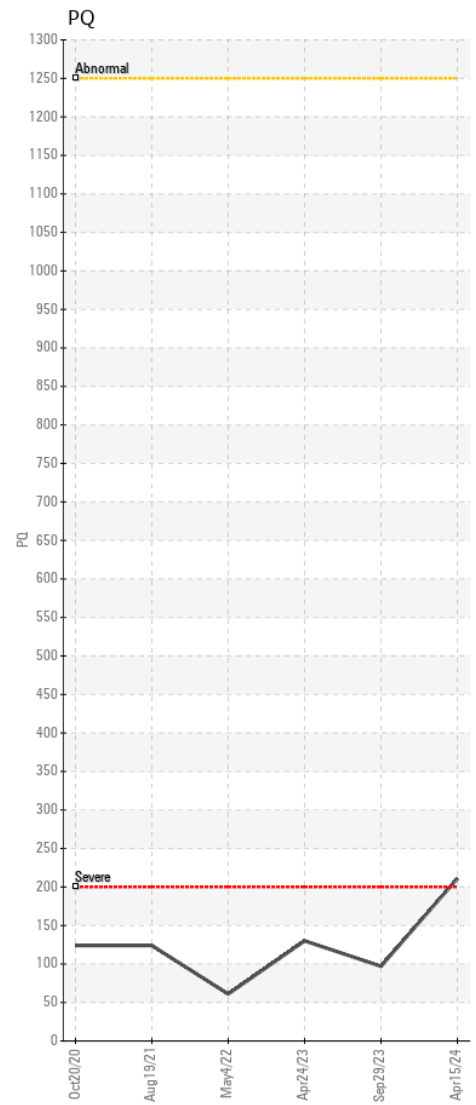
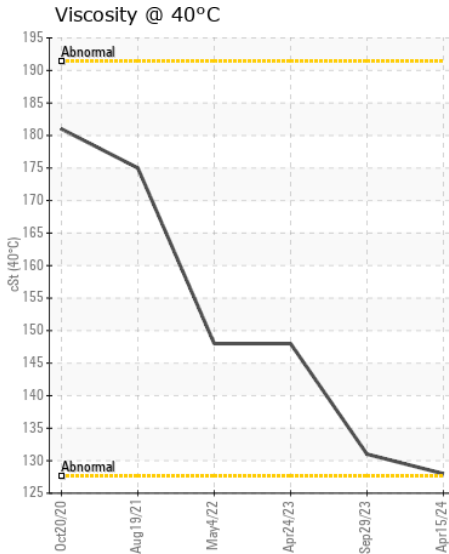
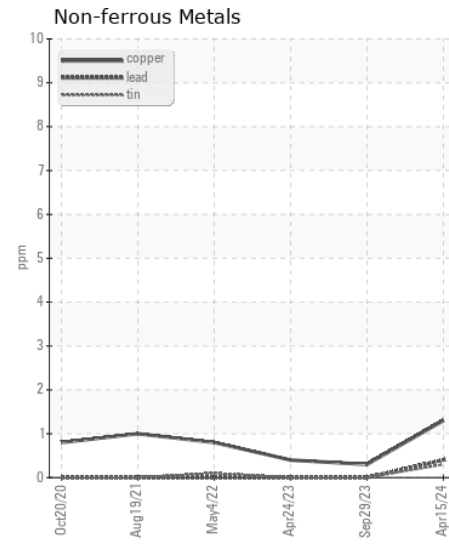
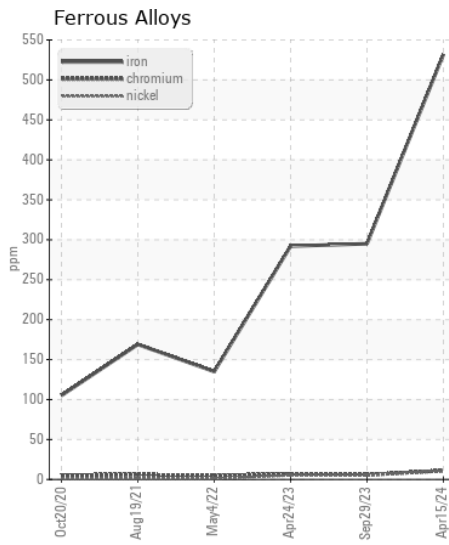
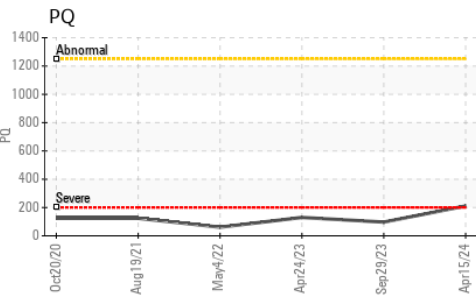
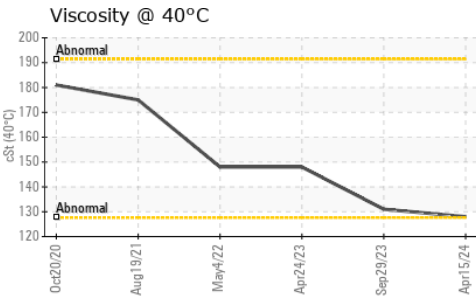
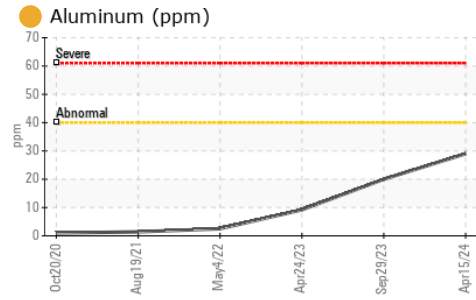
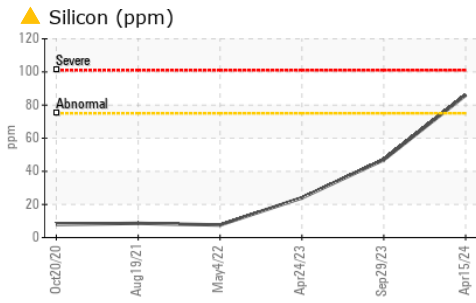
CONTAMINATION

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

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0207868	JR0185254	JR0168452
Sample Date		Client Info		15 Apr 2024	29 Sep 2023	24 Apr 2023
Machine Age	hrs	Client Info		3236	2722	2196
Oil Age	hrs	Client Info		1040	526	1110
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	211	97	130
Iron	ppm	ASTM D5185m	>750	532	295	292
Chromium	ppm	ASTM D5185m	>9	11	6	7
Nickel	ppm	ASTM D5185m	>10	11	5	5
Titanium	ppm	ASTM D5185m		3	1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	29	20	9
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	86	47	24
Potassium	ppm	ASTM D5185m	>20	8	4	0
Water		WC Method	>0.075	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	>0.075	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	3	<1	1
Boron	ppm	ASTM D5185m		6	2	7
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		7	4	6
Magnesium	ppm	ASTM D5185m		8	8	6
Calcium	ppm	ASTM D5185m		73	37	19
Phosphorus	ppm	ASTM D5185m		399	381	344
Zinc	ppm	ASTM D5185m		87	60	123
Sulfur	ppm	ASTM D5185m		15808	16695	18729
Visc @ 40°C	cSt	ASTM D445		128	131	148



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0207868
Lab Number : 06158531
Unique Number : 10993954
Test Package : CONST (Additional Tests: PQ)

Received : 23 Apr 2024
Tested : 25 Apr 2024
Diagnosed : 25 Apr 2024 - Don Baldrige

TENNOCA CONSTRUCTION
 PO BOX 2379
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 US 28715
 Contact: MARK ROSS
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 F:

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)