



Area
[W53129]

Machine Id
JOHN DEERE 50G 1FF050GXEGH284639

Component
Right Final Drive

Fluid
JOHN DEERE GL-5 80W90 (--- QTS)

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.

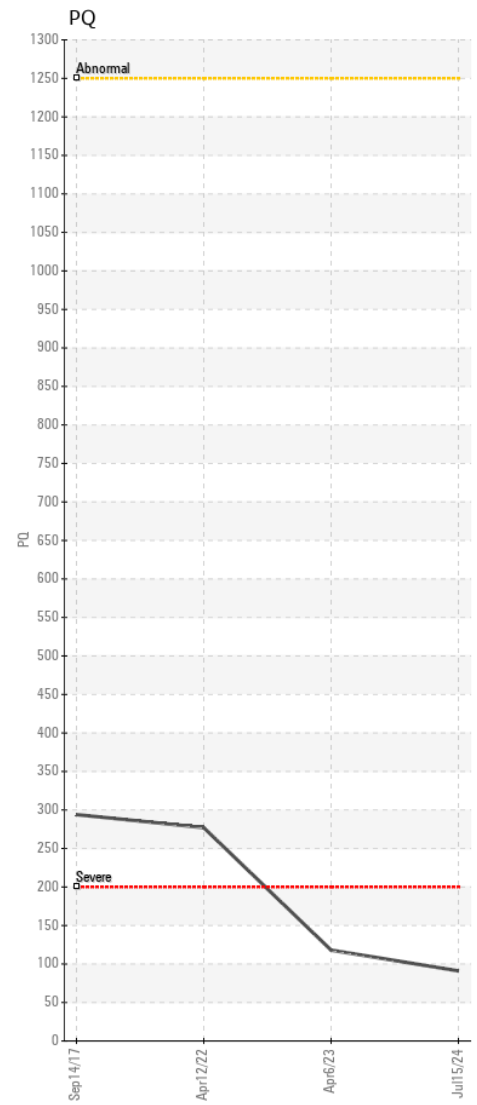
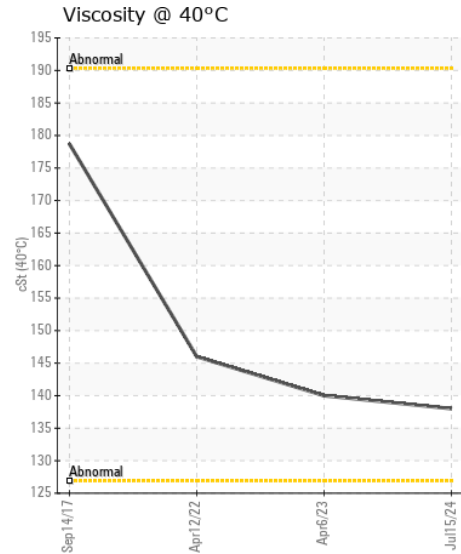
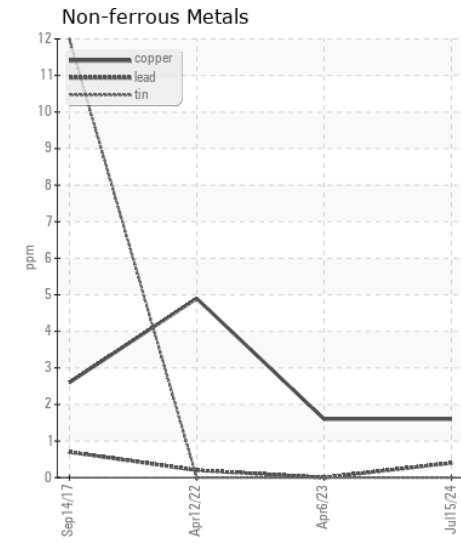
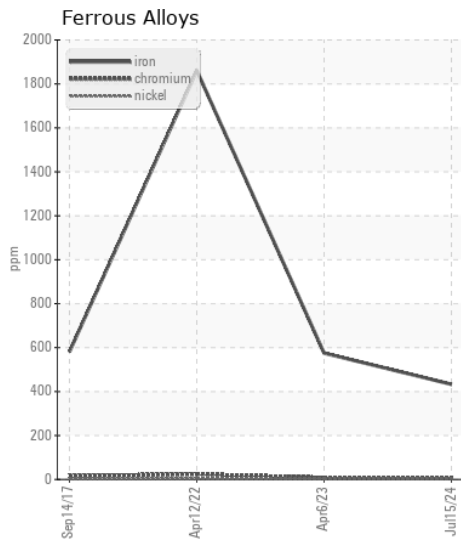
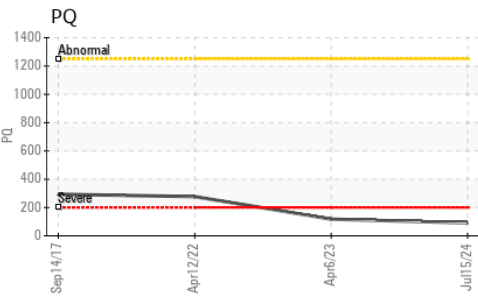
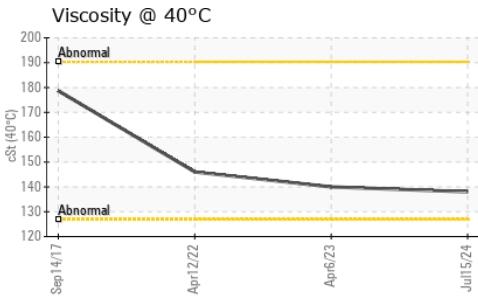
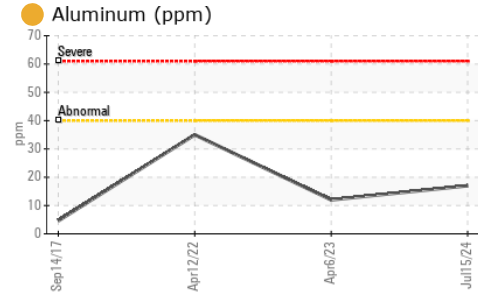
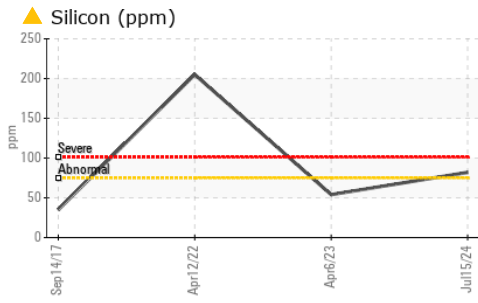
CONTAMINATION

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		JR0225102	JR0164384	JR0124142
Sample Date		Client Info		15 Jul 2024	06 Apr 2023	12 Apr 2022
Machine Age	hrs	Client Info		6701	5698	4989
Oil Age	hrs	Client Info		0	0	980
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	N/A	N/A
Sample Status				ABNORMAL	NORMAL	ABNORMAL
PQ		ASTM D8184	>1250	91	118	277
Iron	ppm	ASTM D5185m	>750	433	575	▲ 1861
Chromium	ppm	ASTM D5185m	>9	6	8	▲ 24
Nickel	ppm	ASTM D5185m	>10	3	2	3
Titanium	ppm	ASTM D5185m		2	1	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	● 17	12	● 35
Lead	ppm	ASTM D5185m	>15	<1	0	<1
Copper	ppm	ASTM D5185m	>40	2	2	5
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	▲ 82	54	▲ 205
Potassium	ppm	ASTM D5185m	>20	5	1	8
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	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	0	<1	<1
Boron	ppm	ASTM D5185m		58	20	157
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		1	<1	1
Manganese	ppm	ASTM D5185m		4	6	17
Magnesium	ppm	ASTM D5185m		3	3	4
Calcium	ppm	ASTM D5185m		3	3	51
Phosphorus	ppm	ASTM D5185m		703	559	1351
Zinc	ppm	ASTM D5185m		18	23	75
Sulfur	ppm	ASTM D5185m		19645	23968	21841
Visc @ 40°C	cSt	ASTM D445		138	140	146



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0225102 **Received** : 17 Jul 2024
Lab Number : 06239373 **Tested** : 18 Jul 2024
Unique Number : 11128207 **Diagnosed** : 19 Jul 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - ASHLAND
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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)