



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 290G 1FF290GXPCE705546

Component
Left Final Drive

Fluid
JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0194475	JR0182867	JR0145395
Sample Date		Client Info		11 Jan 2024	07 Sep 2023	29 Aug 2022
Machine Age	hrs	Client Info		9612	9127	8088
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	178	595	452
Iron	ppm	ASTM D5185m	>750	673	1741	4914
Chromium	ppm	ASTM D5185m	>9	5	11	26
Nickel	ppm	ASTM D5185m	>10	<1	2	5
Titanium	ppm	ASTM D5185m		1	4	21
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	12	42	276
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	3	7
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		0	<1	1
White Metal	scalar	*Visual	NONE	MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

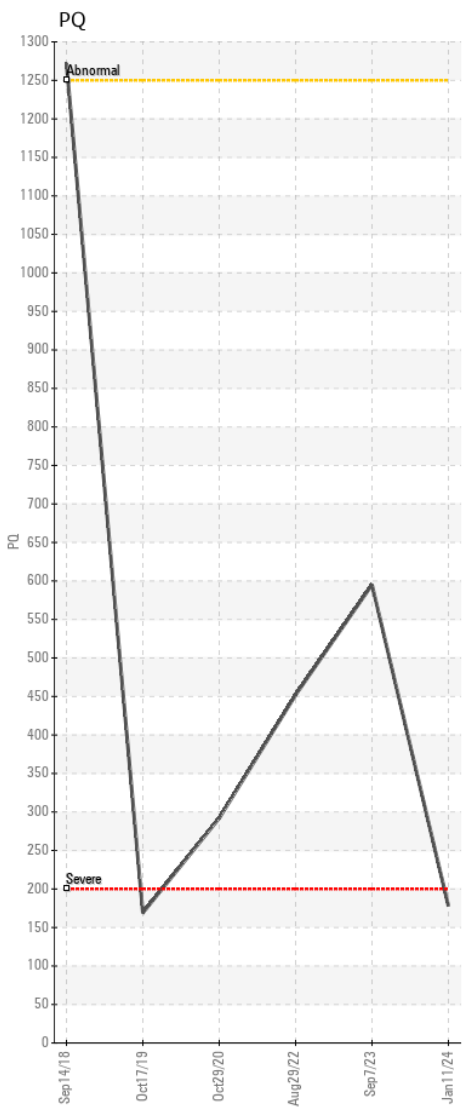
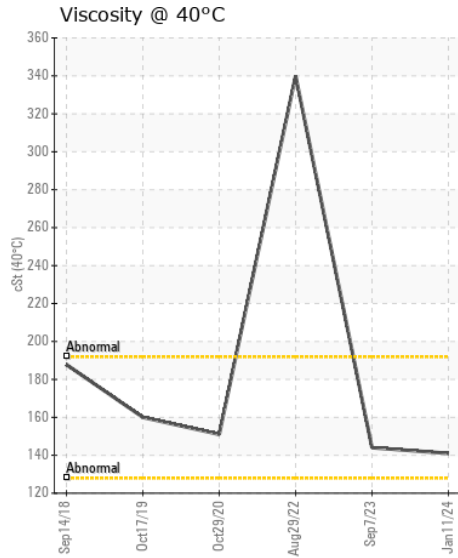
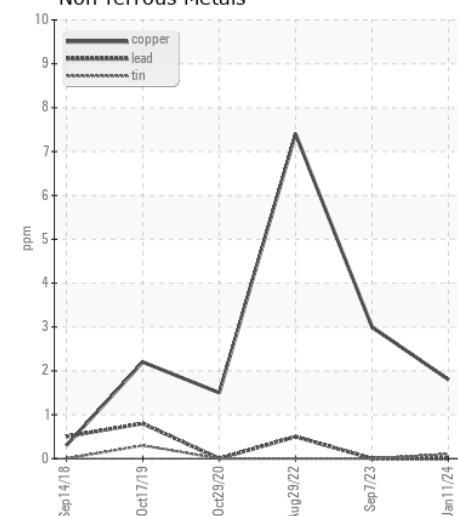
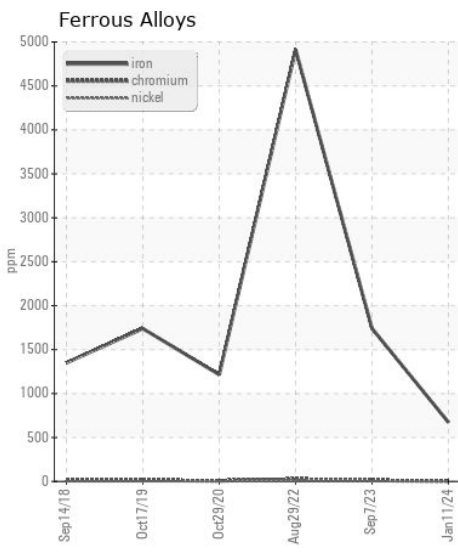
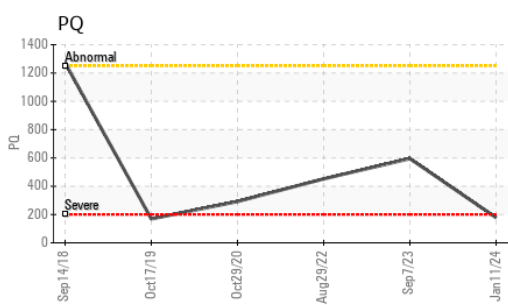
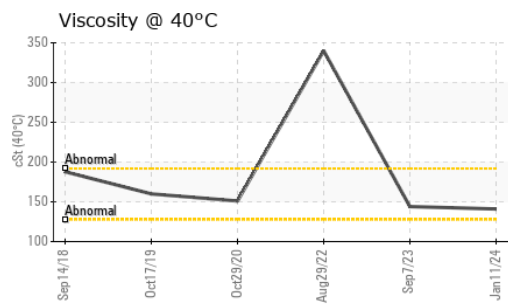
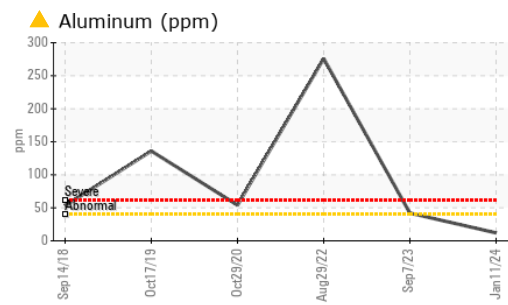
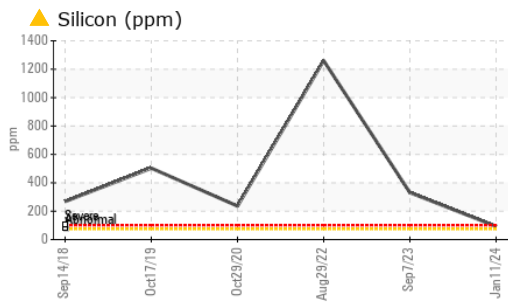
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	93	331	1260
Potassium	ppm	ASTM D5185m	>20	1	8	52
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	4	11
Boron	ppm	ASTM D5185m		19	35	57
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		0	14	3
Manganese	ppm	ASTM D5185m		5	12	30
Magnesium	ppm	ASTM D5185m		13	27	29
Calcium	ppm	ASTM D5185m		24	83	25
Phosphorus	ppm	ASTM D5185m		513	487	451
Zinc	ppm	ASTM D5185m		4	0	6
Sulfur	ppm	ASTM D5185m		18054	21762	16054
Visc @ 40°C	cSt	ASTM D445		141	144	340



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0194475 **Received** : 12 Jan 2024
Lab Number : 06059566 **Diagnosed** : 16 Jan 2024
Unique Number : 10830948 **Diagnostician** : Jonathan Hester
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)