



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1FF085GXVJJ019878
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- 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		JR0218593	JR0163149	JR0100851
Sample Date		Client Info		17 Jun 2024	28 Feb 2023	09 Sep 2021
Machine Age	hrs	Client Info		5685	4478	3015
Oil Age	hrs	Client Info		3219	2674	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		None	N/A	Not Changd
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	217	722	645
Iron	ppm	ASTM D5185m	>750	747	1914	1017
Chromium	ppm	ASTM D5185m	>9	8	24	13
Nickel	ppm	ASTM D5185m	>10	2	5	2
Titanium	ppm	ASTM D5185m		2	4	3
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m	>40	14	26	14
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	2	5	3
Tin	ppm	ASTM D5185m	>10	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

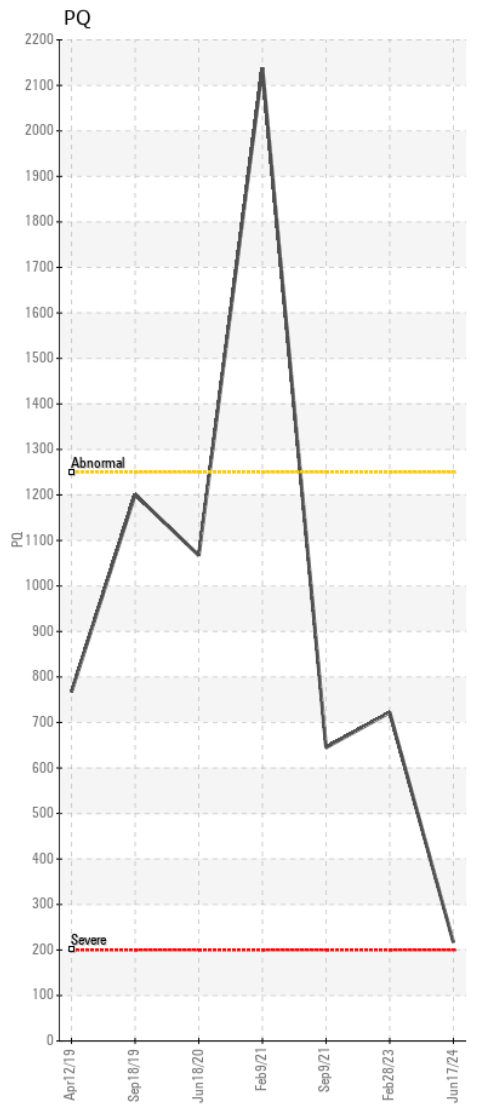
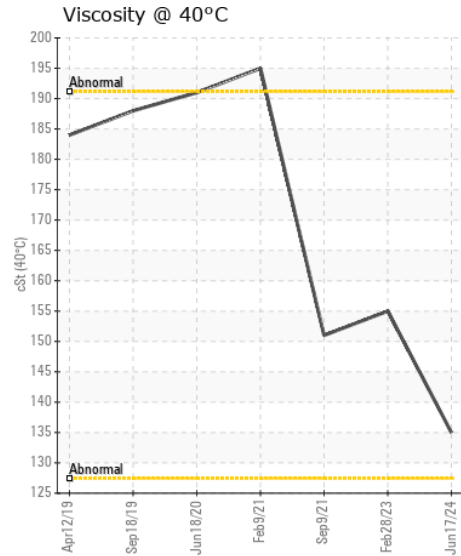
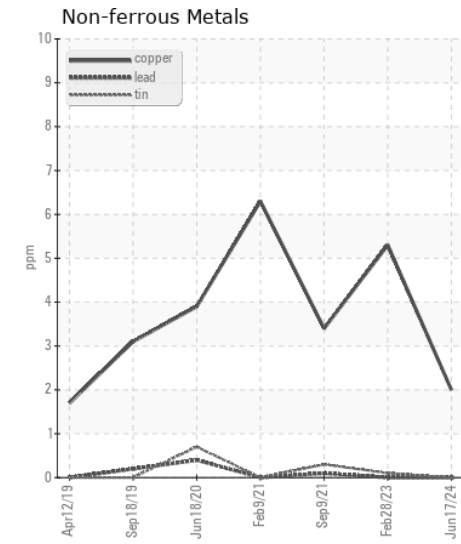
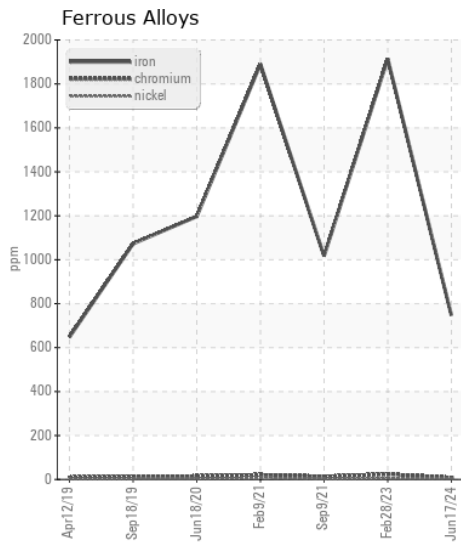
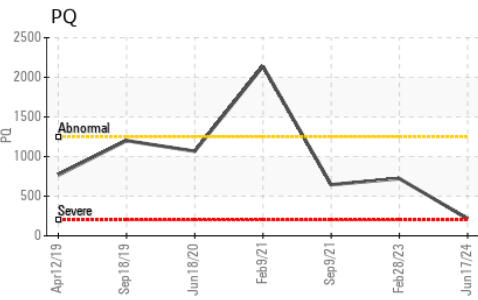
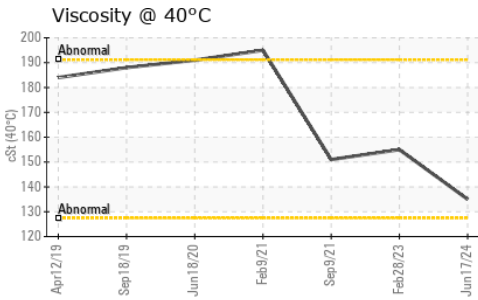
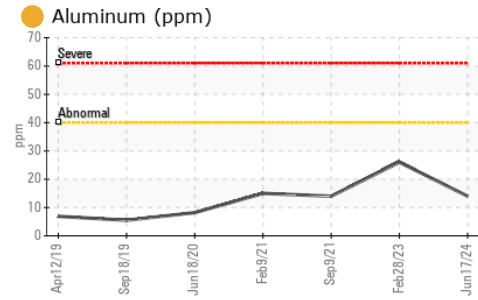
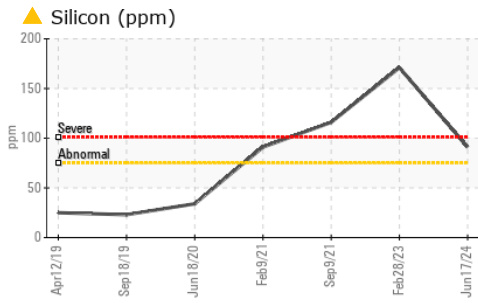
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	91	171	116
Potassium	ppm	ASTM D5185m	>20	4	5	2
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	0	2	1
Boron	ppm	ASTM D5185m		7	14	25
Barium	ppm	ASTM D5185m		4	16	10
Molybdenum	ppm	ASTM D5185m		5	2	3
Manganese	ppm	ASTM D5185m		6	18	10
Magnesium	ppm	ASTM D5185m		16	18	22
Calcium	ppm	ASTM D5185m		28	39	58
Phosphorus	ppm	ASTM D5185m		347	318	330
Zinc	ppm	ASTM D5185m		32	58	42
Sulfur	ppm	ASTM D5185m		17099	18500	15399
Visc @ 40°C	cSt	ASTM D445		135	155	151



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218593
Lab Number : 06213831
Unique Number : 11086695
Test Package : CONST (Additional Tests: PQ)

Received : 18 Jun 2024
Tested : 20 Jun 2024
Diagnosed : 20 Jun 2024 - Sean Felton

CWS-STRITTMATTER
 9102 OWENS DR
 MANASSAS PARK, VA
 US 20111

Contact: EDDIE GARRETSON
 egarretson@strittmattercompanies.com

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)

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