



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[47621]

Machine Id

JOHN DEERE 1FF085GKTKJ021130

Component

Left Final Drive

Fluid

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

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218671	JR0111479	JR0091697
Sample Date		Client Info		21 Jun 2024	15 Nov 2021	19 May 2021
Machine Age	hrs	Client Info		4395	2272	1650
Oil Age	hrs	Client Info		4395	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		N/A	Not Changd	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	143	905	786
Iron	ppm	ASTM D5185m	>750	330	826	754
Chromium	ppm	ASTM D5185m	>9	5	10	11
Nickel	ppm	ASTM D5185m	>10	3	4	3
Titanium	ppm	ASTM D5185m		2	3	3
Silver	ppm	ASTM D5185m		<1	0	<1
Aluminum	ppm	ASTM D5185m	>40	4	7	9
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	2	2
Tin	ppm	ASTM D5185m	>10	<1	0	<1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	MODER	MODER	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

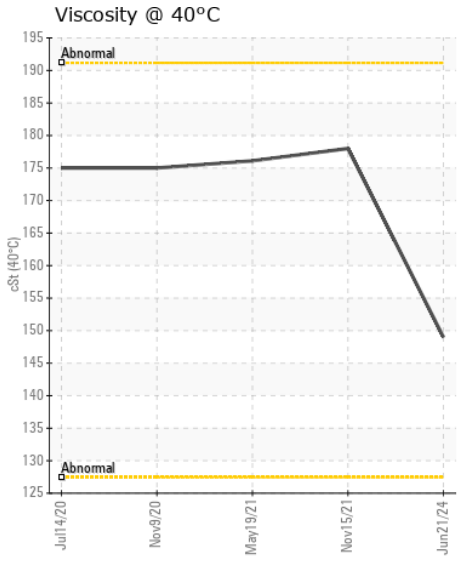
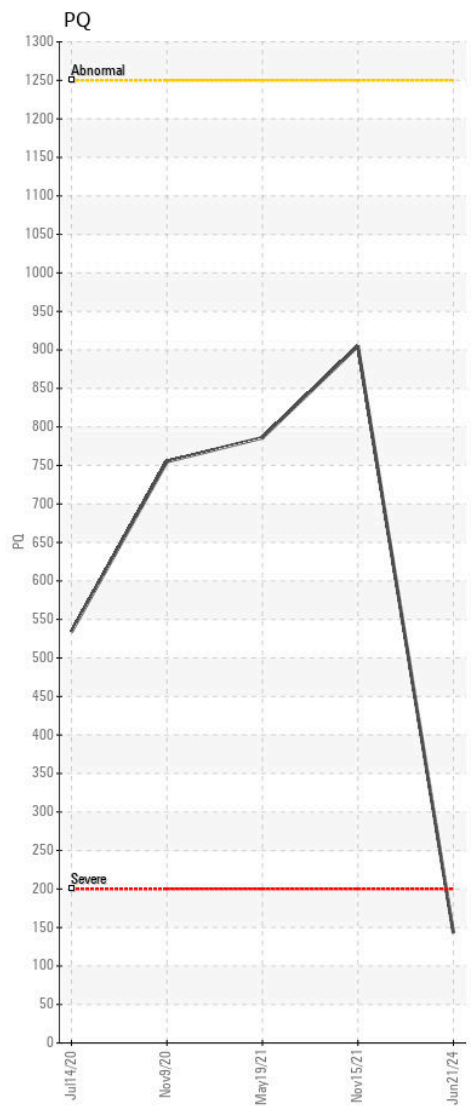
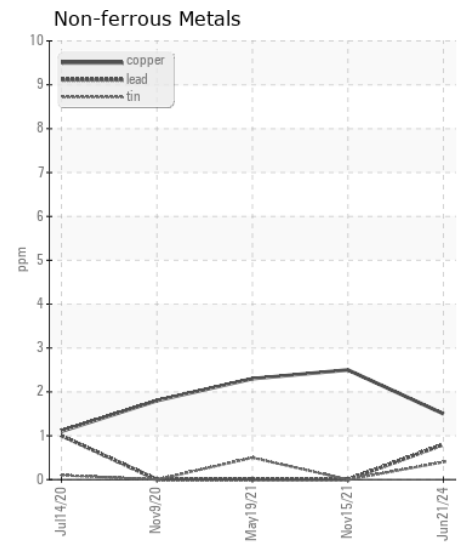
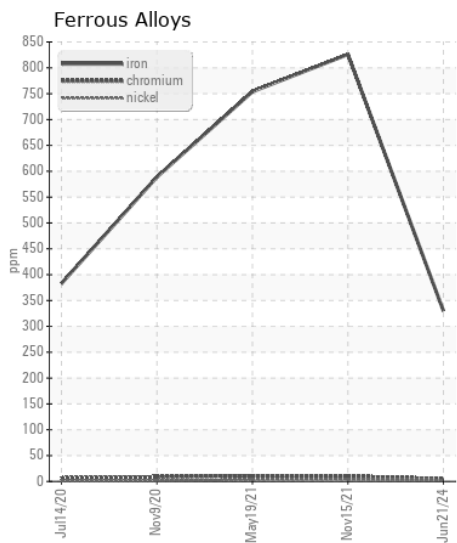
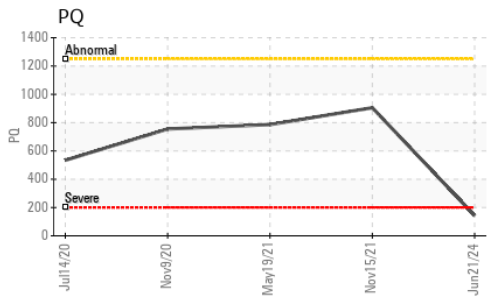
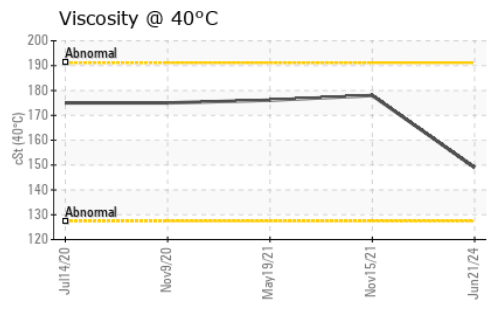
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	23	36	35
Potassium	ppm	ASTM D5185m	>20	2	6	1
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	3
Boron	ppm	ASTM D5185m		121	49	61
Barium	ppm	ASTM D5185m		23	39	40
Molybdenum	ppm	ASTM D5185m		<1	0	<1
Manganese	ppm	ASTM D5185m		4	9	9
Magnesium	ppm	ASTM D5185m		<1	1	2
Calcium	ppm	ASTM D5185m		13	11	21
Phosphorus	ppm	ASTM D5185m		908	411	486
Zinc	ppm	ASTM D5185m		60	103	106
Sulfur	ppm	ASTM D5185m		18659	18197	13489
Visc @ 40°C	cSt	ASTM D445		149	178	176.1



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218671 **Received** : 24 Jun 2024
Lab Number : 06218565 **Tested** : 25 Jun 2024
Unique Number : 11096762 **Diagnosed** : 26 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

CWS-STRITTMATTER
 9102 OWENS DR
 MANASSAS PARK, VA
 US 20111
 Contact: EDDIE GARRETSON
 egarretson@strittmattercompanies.com
 T: (703)335-2255
 F: (703)335-8095

Certificate L2367
 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)