



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 1FF075GXHFJ015781
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (3 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0218052	JR0166509	JR0144101
Sample Date		Client Info		20 May 2024	07 Apr 2023	13 Sep 2022
Machine Age	hrs	Client Info		4257	3774	3488
Oil Age	hrs	Client Info		2586	2389	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
Filter Changed		Client Info		None	N/A	N/A
Sample Status				NORMAL	NORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	555	368	96
Iron	ppm	ASTM D5185m	>750	356	562	414
Chromium	ppm	ASTM D5185m	>9	3	7	5
Nickel	ppm	ASTM D5185m	>10	2	1	3
Titanium	ppm	ASTM D5185m		<1	2	1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>40	4	4	6
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	2	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	1
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

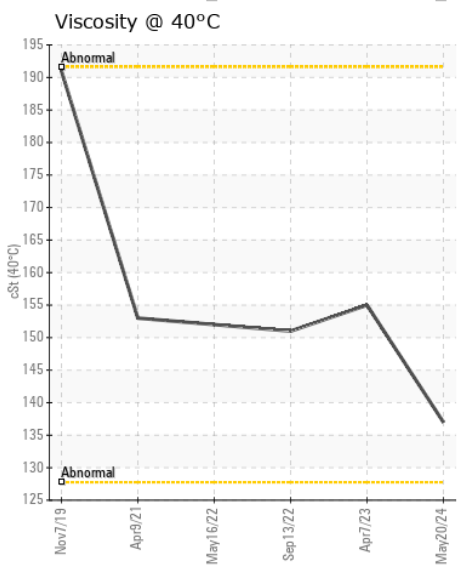
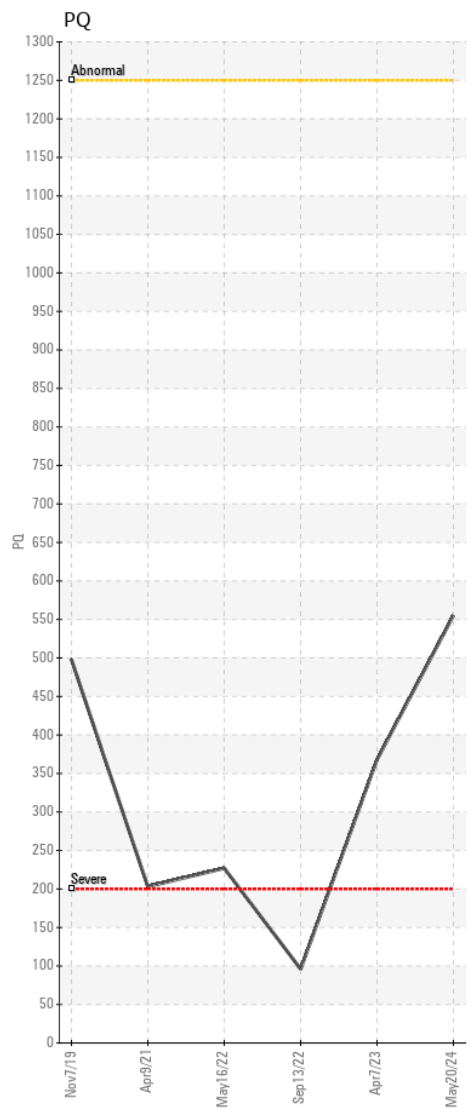
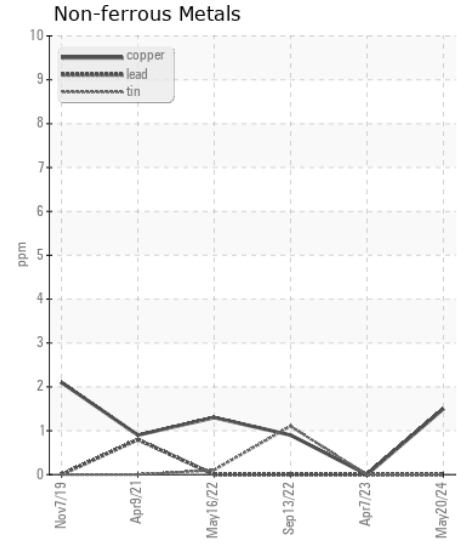
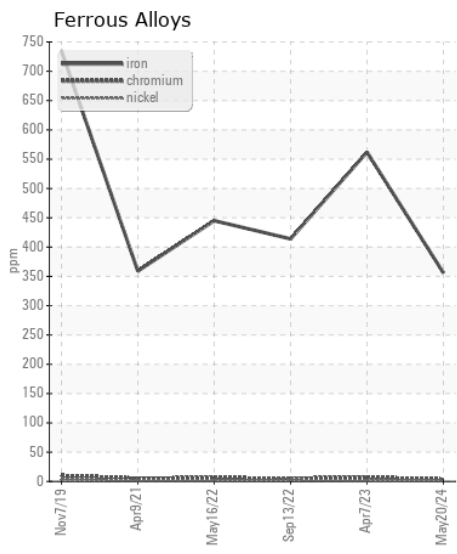
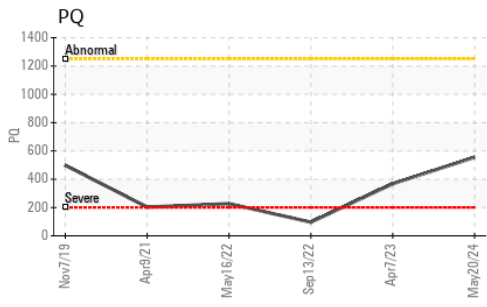
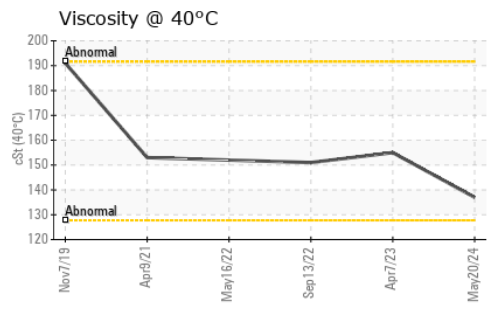
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	19	25	22
Potassium	ppm	ASTM D5185m	>20	3	3	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	▲ MODER
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	4	0	4
Boron	ppm	ASTM D5185m		13	16	19
Barium	ppm	ASTM D5185m		9	11	14
Molybdenum	ppm	ASTM D5185m		2	2	2
Manganese	ppm	ASTM D5185m		4	6	4
Magnesium	ppm	ASTM D5185m		5	2	8
Calcium	ppm	ASTM D5185m		31	25	34
Phosphorus	ppm	ASTM D5185m		1863	1925	2015
Zinc	ppm	ASTM D5185m		82	83	87
Sulfur	ppm	ASTM D5185m		26198	25725	24311
Visc @ 40°C	cSt	ASTM D445		137	155	151



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0218052 **Received** : 23 May 2024
Lab Number : 06189804 **Tested** : 29 May 2024
Unique Number : 11046556 **Diagnosed** : 29 May 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

NPL CONSTRUCTION
 7611 COPPERMINE DR
 MANASSAS, VA
 US 20109-2668
 Contact: BRANDON

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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