



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[W9108]

Machine Id

JOHN DEERE 160G 1FF160GXJMF058343

Component

Left Final Drive

Fluid

JOHN DEERE GL-5 80W90 (2 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W9108)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197111	JR0167517	JR0082421
Sample Date		Client Info		26 Jun 2024	28 May 2023	03 Nov 2022
Machine Age	hrs	Client Info		2466	2165	1993
Oil Age	hrs	Client Info		301	172	1993
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Chngd	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	73	102	128
Iron	ppm	ASTM D5185m	>750	57	73	96
Chromium	ppm	ASTM D5185m	>9	1	2	2
Nickel	ppm	ASTM D5185m	>10	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	<1	0	<1
Lead	ppm	ASTM D5185m	>15	0	0	0
Copper	ppm	ASTM D5185m	>40	1	0	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

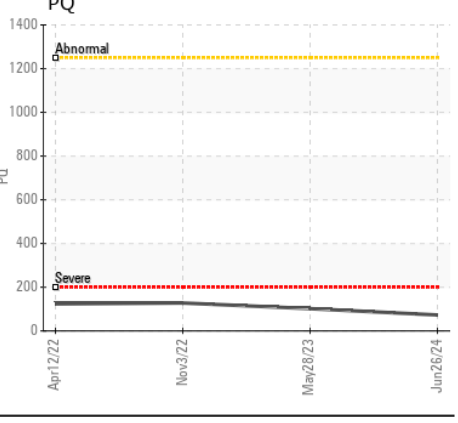
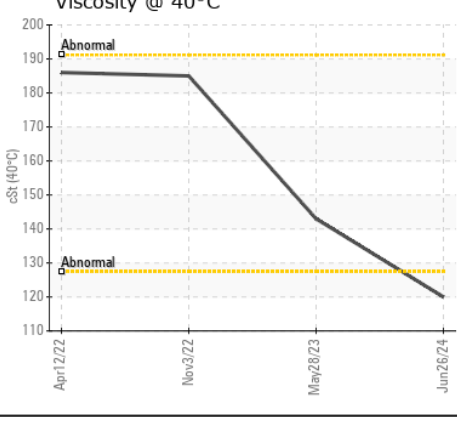
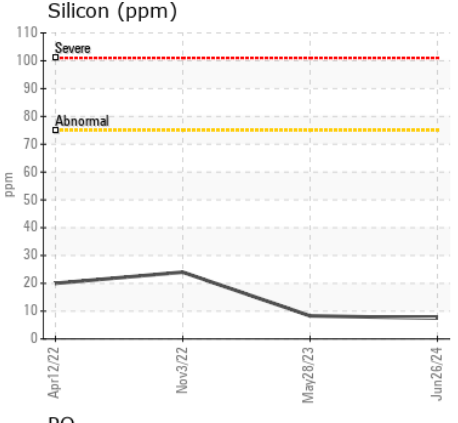
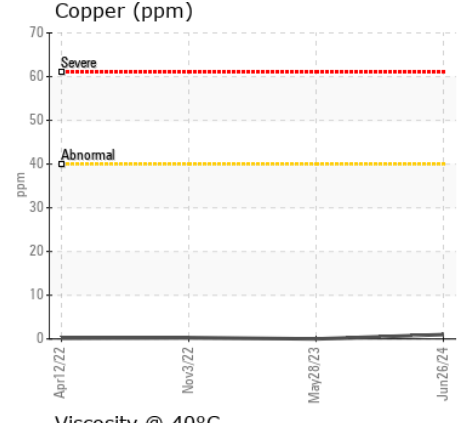
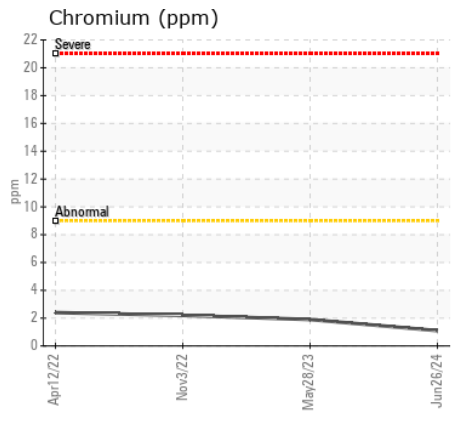
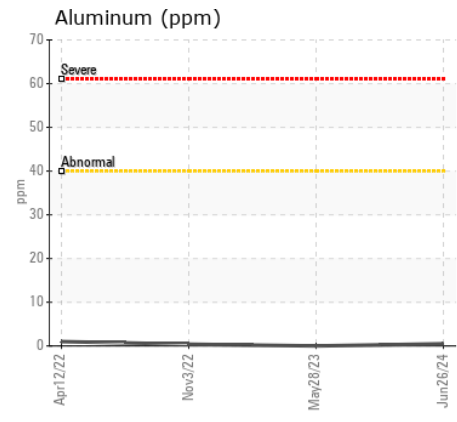
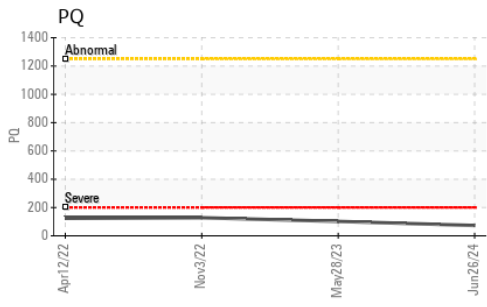
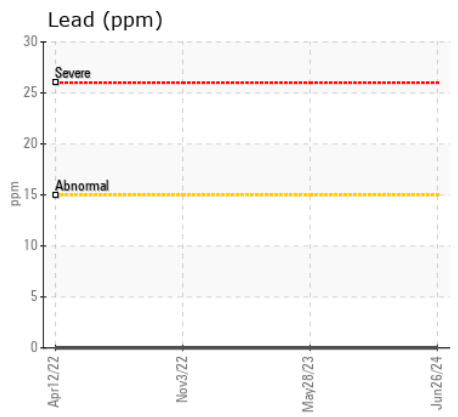
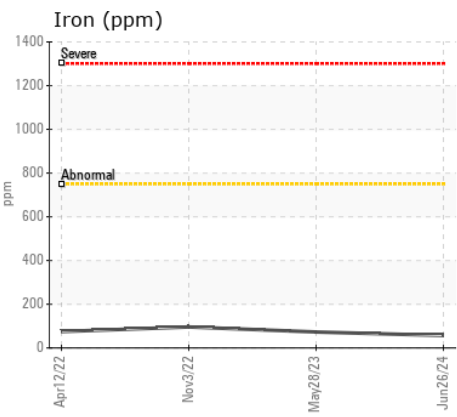
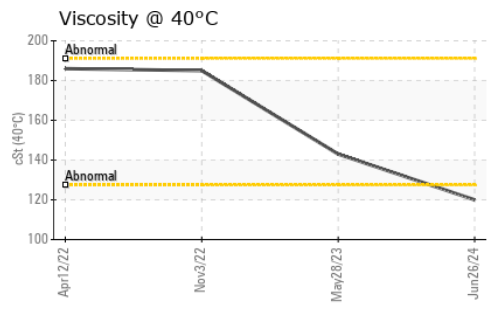
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	8	8	24
Potassium	ppm	ASTM D5185m	>20	4	1	3
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	3	<1	0
Boron	ppm	ASTM D5185m		37	18	62
Barium	ppm	ASTM D5185m		1	<1	11
Molybdenum	ppm	ASTM D5185m		5	4	<1
Manganese	ppm	ASTM D5185m		2	2	8
Magnesium	ppm	ASTM D5185m		18	18	1
Calcium	ppm	ASTM D5185m		54	53	16
Phosphorus	ppm	ASTM D5185m		685	886	491
Zinc	ppm	ASTM D5185m		37	37	24
Sulfur	ppm	ASTM D5185m		22425	25430	18031
Visc @ 40°C	cSt	ASTM D445		120	143	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0197111 **Received** : 28 Jun 2024
Lab Number : 06223675 **Tested** : 01 Jul 2024
Unique Number : 11101872 **Diagnosed** : 01 Jul 2024 - Don Baldrige
Test Package : MOBCE (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
 5039 HWY 301 SOUTH
 HOPE MILLS, NC
 US 28348
 Contact: FAYETTEVILLE SHOP
 stephen.mullis@jamesriverequipment.com; panastasio@wearcheck.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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F: