



Area
[16W16028]
 Machine Id
JOHN DEERE 350G 1ff350gxklf814889
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (9 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor. (Customer Sample Comment: 16W16028)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196517	JR0160655	JR0111708
Sample Date		Client Info		17 Apr 2024	24 Feb 2023	25 Oct 2021
Machine Age	hrs	Client Info		4580	4024	1763
Oil Age	hrs	Client Info		556	2261	1763
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	103	96	176
Iron	ppm	ASTM D5185m	>750	227	237	297
Chromium	ppm	ASTM D5185m	>9	3	3	4
Nickel	ppm	ASTM D5185m	>10	2	0	<1
Titanium	ppm	ASTM D5185m		4	<1	<1
Silver	ppm	ASTM D5185m		0	4	<1
Aluminum	ppm	ASTM D5185m	>40	63	4	1
Lead	ppm	ASTM D5185m	>15	2	0	0
Copper	ppm	ASTM D5185m	>40	1	<1	<1
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

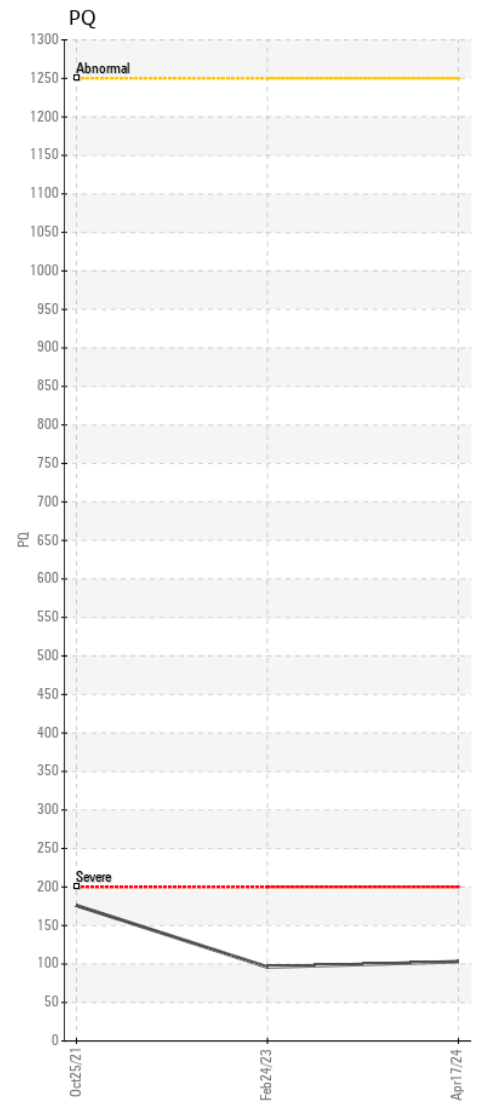
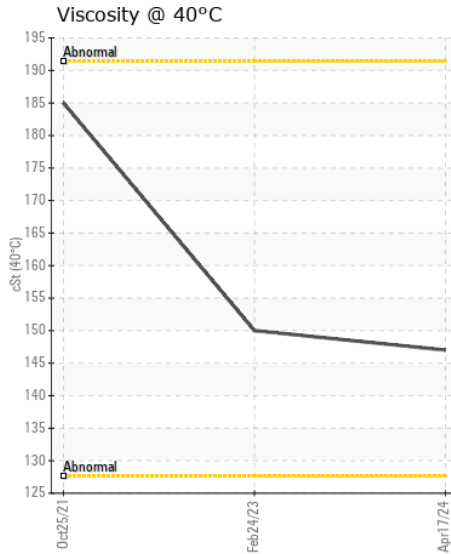
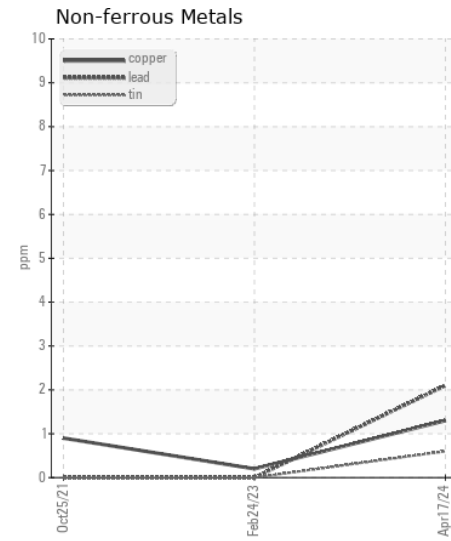
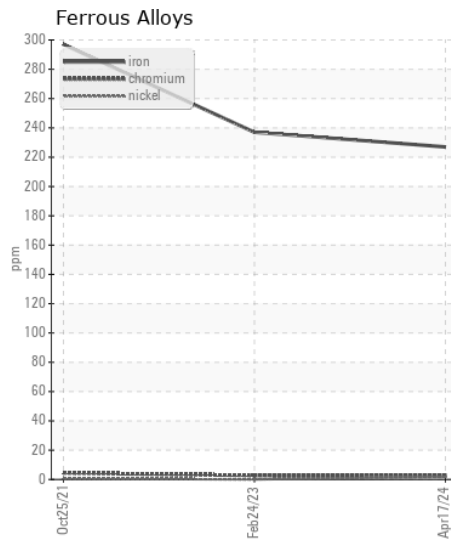
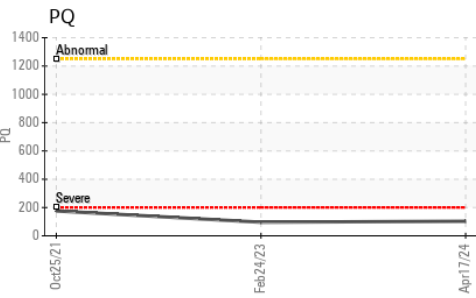
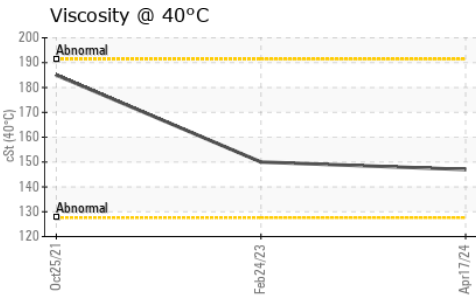
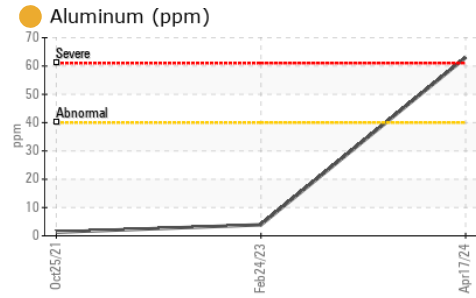
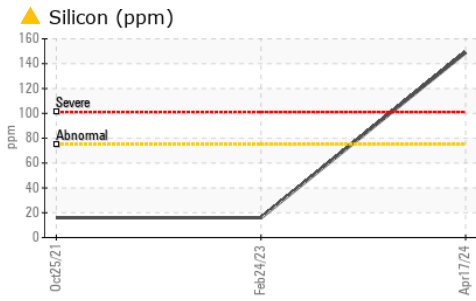
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 149	16	16
Potassium	ppm	ASTM D5185m	>20	6	<1	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	4	<1	<1
Boron	ppm	ASTM D5185m		137	8	68
Barium	ppm	ASTM D5185m		2	0	4
Molybdenum	ppm	ASTM D5185m		<1	<1	0
Manganese	ppm	ASTM D5185m		3	4	6
Magnesium	ppm	ASTM D5185m		7	8	1
Calcium	ppm	ASTM D5185m		109	16	20
Phosphorus	ppm	ASTM D5185m		1004	325	465
Zinc	ppm	ASTM D5185m		26	18	22
Sulfur	ppm	ASTM D5185m		27267	18998	20301
Visc @ 40°C	cSt	ASTM D445		147	150	185



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196517 **Received** : 18 Apr 2024
Lab Number : 06153432 **Tested** : 22 Apr 2024
Unique Number : 10983510 **Diagnosed** : 22 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
 113 CROWATAN ROAD
 CASTLE HAYNE, NC
 US 28429-5819

Contact: WILMINGTON SHOP

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F:

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)