



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
[16W16028]

Machine Id
JOHN DEERE 350G 1ff350gxklf814889

Component
Swing Drive Gear Case

Fluid
JOHN DEERE GL-5 80W90 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W16028)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0196516	JR0160503	JR0131550
Sample Date		Client Info		17 Apr 2024	24 Feb 2023	20 May 2022
Machine Age	hrs	Client Info		4580	4024	2820
Oil Age	hrs	Client Info		556	1204	1057
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		35	27	29
Iron	ppm	ASTM D5185m	>200	22	19	28
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m		2	0	0
Lead	ppm	ASTM D5185m		1	0	0
Copper	ppm	ASTM D5185m		<1	0	<1
Tin	ppm	ASTM D5185m		<1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

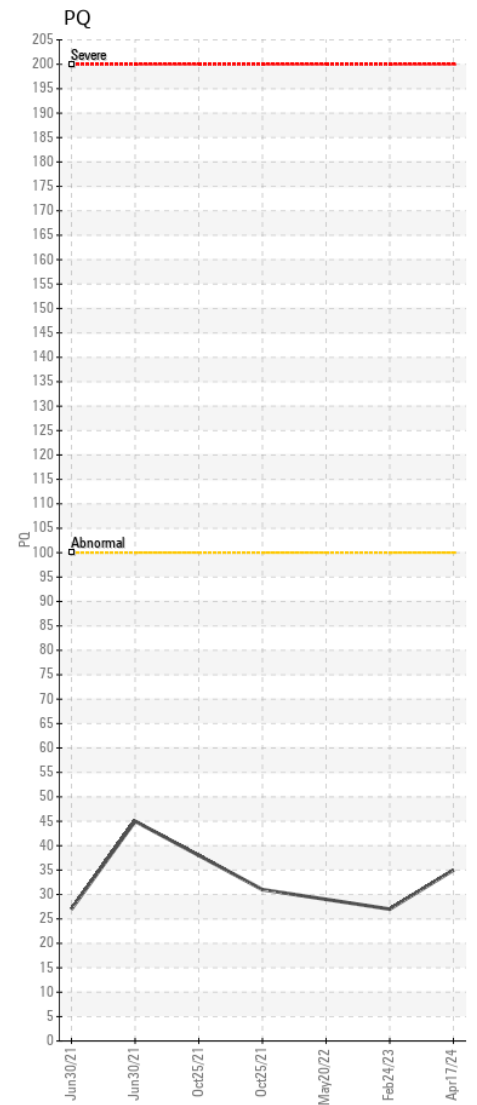
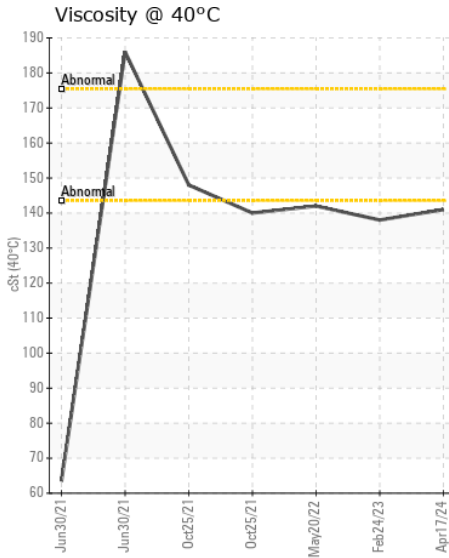
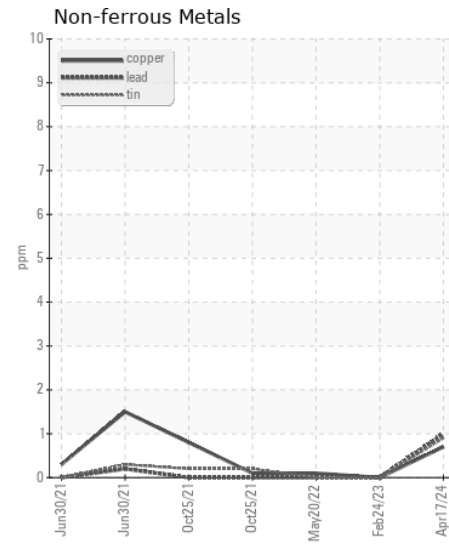
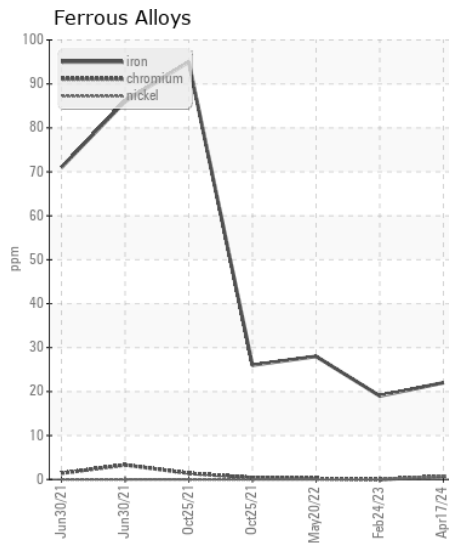
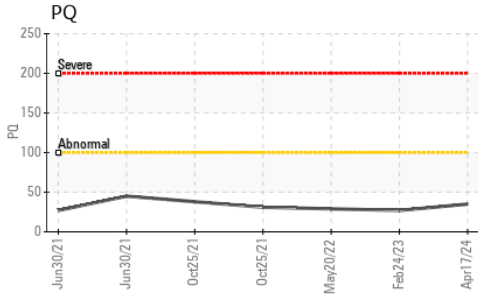
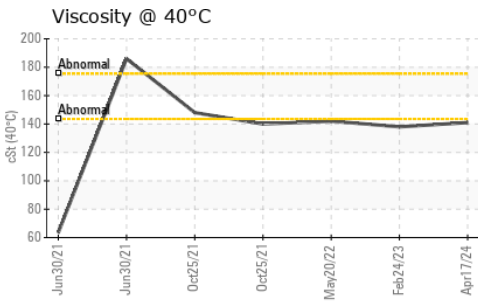
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m		4	16	3
Potassium	ppm	ASTM D5185m	>20	1	0	<1
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	0	0
Boron	ppm	ASTM D5185m		54	2	6
Barium	ppm	ASTM D5185m		2	0	1
Molybdenum	ppm	ASTM D5185m		2	0	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		7	0	3
Calcium	ppm	ASTM D5185m		43	19	21
Phosphorus	ppm	ASTM D5185m		657	320	298
Zinc	ppm	ASTM D5185m		14	0	12
Sulfur	ppm	ASTM D5185m		28405	22835	19674
Visc @ 40°C	cSt	ASTM D445		141	138	142



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0196516 **Received** : 18 Apr 2024
Lab Number : 06153433 **Tested** : 19 Apr 2024
Unique Number : 10983511 **Diagnosed** : 22 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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)

JRE - CASTLE HAYNE
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