



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton [140465]
Machine Id
JOHN DEERE 350G 1FF350GXAKF814122
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (3 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041051	LEC0034294	LEC0026926
Sample Date		Client Info		29 Jun 2023	02 Nov 2022	30 Dec 2021
Machine Age	hrs	Client Info		1519	929	437
Oil Age	hrs	Client Info		590	929	437
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Not Changd
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		98	135	60
Iron	ppm	ASTM D5185m	>151	97	109	82
Chromium	ppm	ASTM D5185m	>11	<1	1	1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>21	0	<1	1
Lead	ppm	ASTM D5185m	>51	0	0	<1
Copper	ppm	ASTM D5185m	>51	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

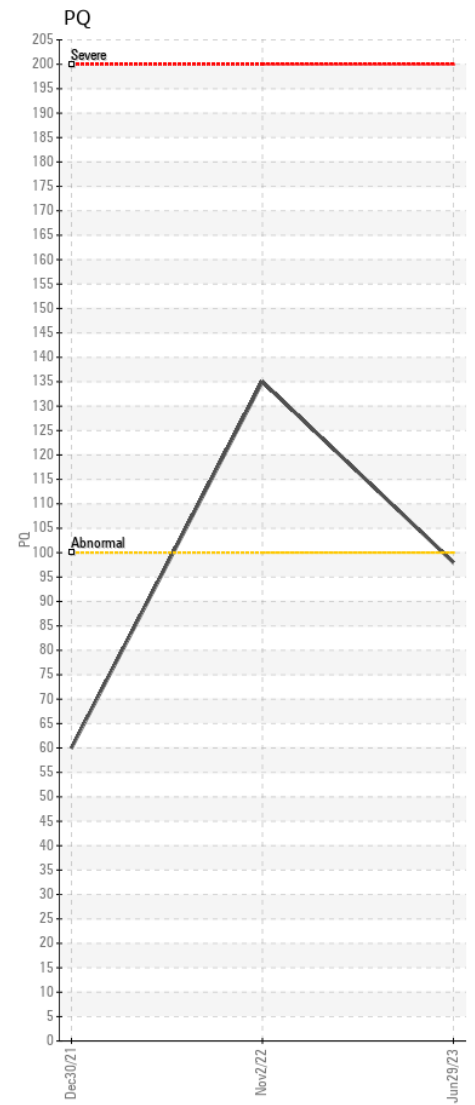
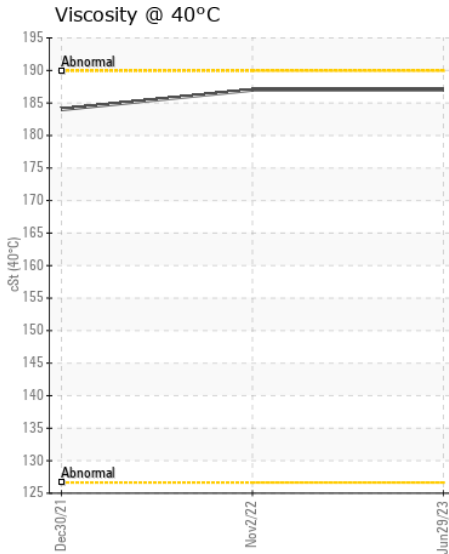
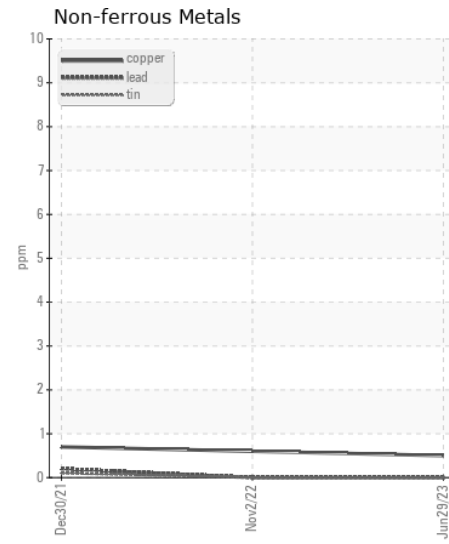
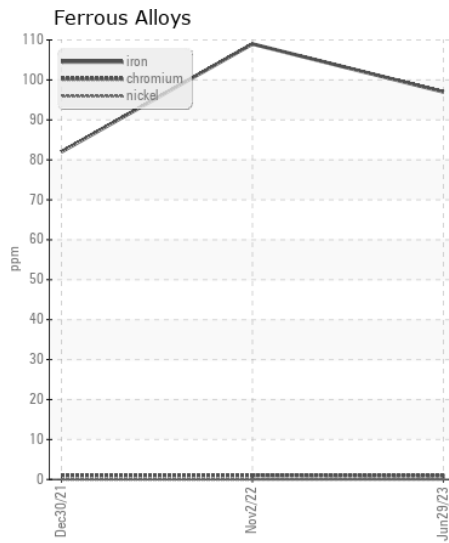
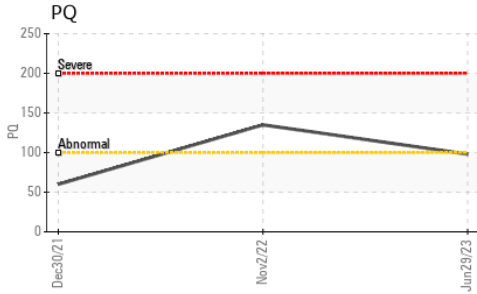
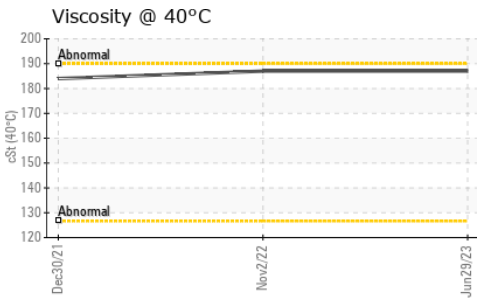
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	16	19	15
Potassium	ppm	ASTM D5185m	>20	<1	2	<1
Water		WC Method	>0.1	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	1	0	0
Boron	ppm	ASTM D5185m		77	79	74
Barium	ppm	ASTM D5185m		2	5	3
Molybdenum	ppm	ASTM D5185m		0	2	<1
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		0	2	1
Calcium	ppm	ASTM D5185m		29	56	30
Phosphorus	ppm	ASTM D5185m		541	505	486
Zinc	ppm	ASTM D5185m		<1	17	4
Sulfur	ppm	ASTM D5185m		18428	15911	13868
Visc @ 40°C	cSt	ASTM D445		187	187	184



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041051 **Received** : 03 Jul 2023
Lab Number : 05889391 **Tested** : 05 Jul 2023
Unique Number : 10539874 **Diagnosed** : 06 Jul 2023 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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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)