



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area

[125538]

Machine Id

JOHN DEERE 350G 1FF350GXCKF813932

Component

Swing Drive

Fluid

JOHN DEERE GL-5 80W90 (--- QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WE0006345	WE0004354	WE0003767
Sample Date		Client Info		21 Feb 2024	29 Jun 2023	15 Mar 2023
Machine Age	hrs	Client Info		4418	3950	3452
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	N/A
Filter Changed		Client Info		Not Changd	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		28	44	37
Iron	ppm	ASTM D5185m	>151	46	130	116
Chromium	ppm	ASTM D5185m	>11	<1	1	1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	2	6	7
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
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.

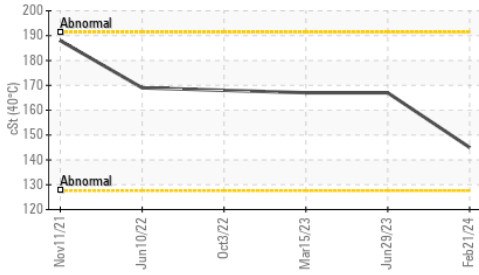
Silicon	ppm	ASTM D5185m	>31	9	30	26
Potassium	ppm	ASTM D5185m	>20	<1	2	1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

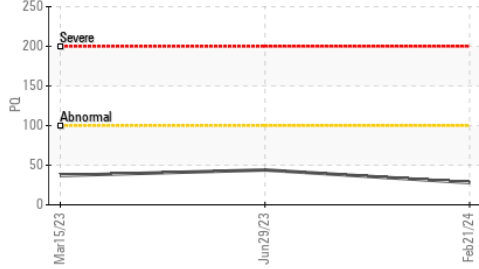
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	<1	1	<1
Boron	ppm	ASTM D5185m		88	151	127
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		0	0	<1
Manganese	ppm	ASTM D5185m		<1	2	2
Magnesium	ppm	ASTM D5185m		<1	0	3
Calcium	ppm	ASTM D5185m		4	6	7
Phosphorus	ppm	ASTM D5185m		535	717	643
Zinc	ppm	ASTM D5185m		8	30	23
Sulfur	ppm	ASTM D5185m		18465	19956	18341
Visc @ 40°C	cSt	ASTM D445		145	167	167

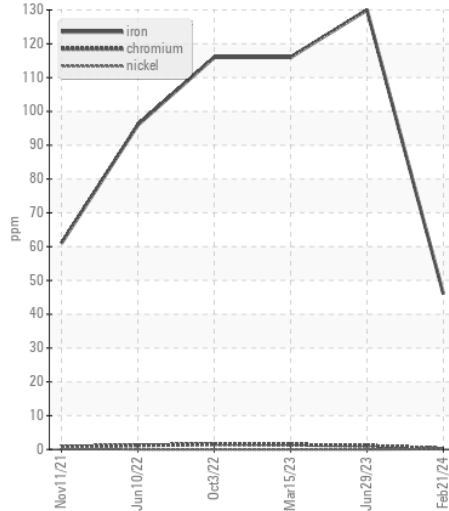
Viscosity @ 40°C



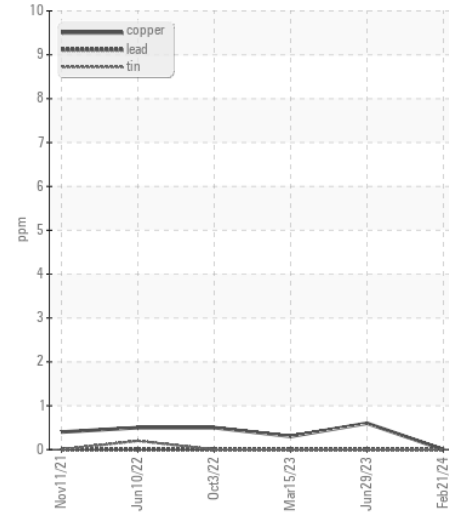
PQ



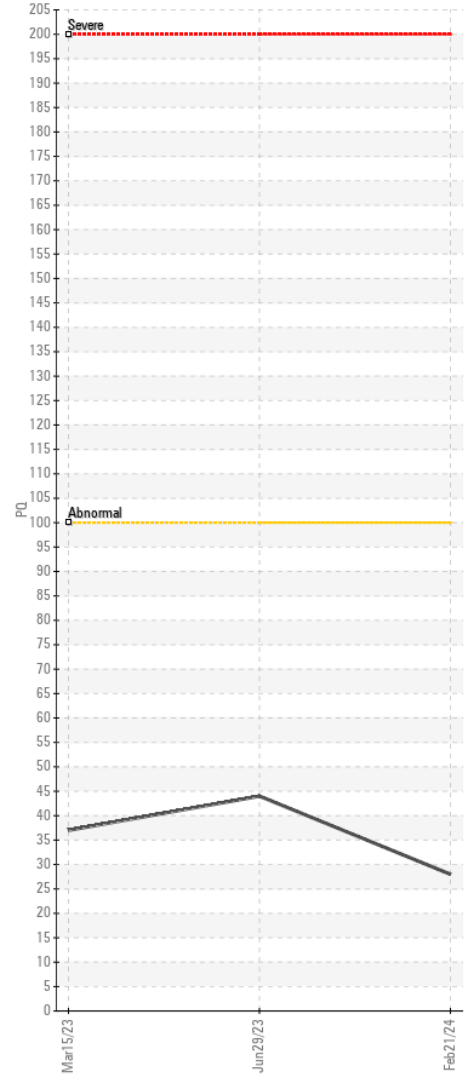
Ferrous Alloys



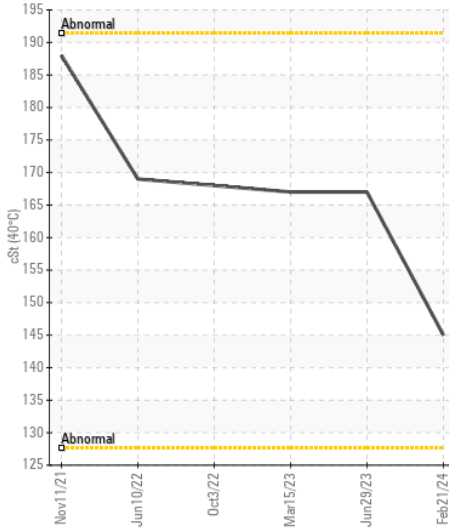
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : WE0006345 **Received** : 01 Mar 2024
Lab Number : 06106426 **Tested** : 04 Mar 2024
Unique Number : 10909923 **Diagnosed** : 05 Mar 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: PQ)

WARRIOR TRACTOR AND EQUIPMENT - NORTHPORT
 P.O. BOX 412
 NORTHPORT, AL
 US 35476
 Contact: PAMELA CLARK
 pamelac@warriortractor.com
 T: (205)339-0300
 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)