



Machine Id
JOHN DEERE 350G 1FF350GXKHF811806

Component
Pump Drive

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

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0223387	JR0198379	JR0168256
Sample Date		Client Info		14 Jul 2024	03 Jan 2024	12 Apr 2023
Machine Age	hrs	Client Info		4039	3680	3218
Oil Age	hrs	Client Info		0	462	1156
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		153	32	20
Iron	ppm	ASTM D5185m	>151	321	71	90
Chromium	ppm	ASTM D5185m	>11	5	<1	2
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		3	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	20	2	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	3	0	<1
Tin	ppm	ASTM D5185m	>4	0	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

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

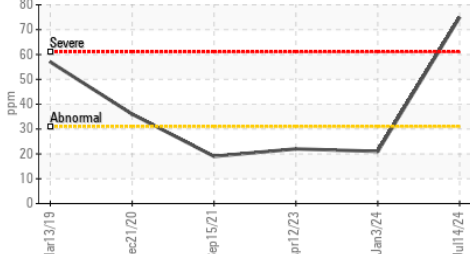
Silicon	ppm	ASTM D5185m	>31	75	21	22
Potassium	ppm	ASTM D5185m	>20	4	0	0
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	LIGHT	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

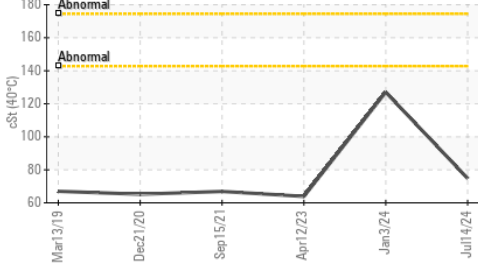
The oil viscosity is lower than normal. This plus the additive levels indicates the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	0	<1	2
Boron	ppm	ASTM D5185m		271	11	256
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		247	13	235
Manganese	ppm	ASTM D5185m		5	1	3
Magnesium	ppm	ASTM D5185m		785	42	754
Calcium	ppm	ASTM D5185m		1399	101	1412
Phosphorus	ppm	ASTM D5185m		946	511	864
Zinc	ppm	ASTM D5185m		1003	63	981
Sulfur	ppm	ASTM D5185m		4251	14509	2935
Visc @ 40°C	cSt	ASTM D445		74.8	127	63.9

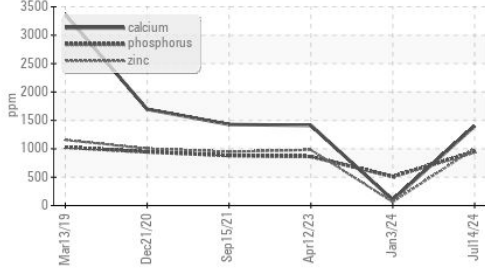
▲ Silicon (ppm)



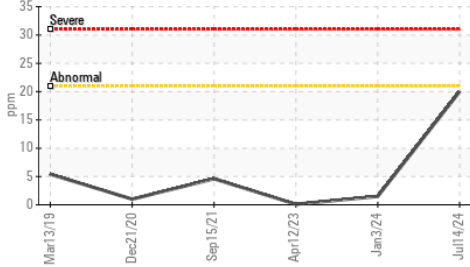
● Viscosity @ 40°C



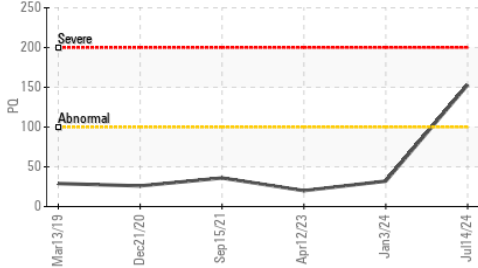
● Additives



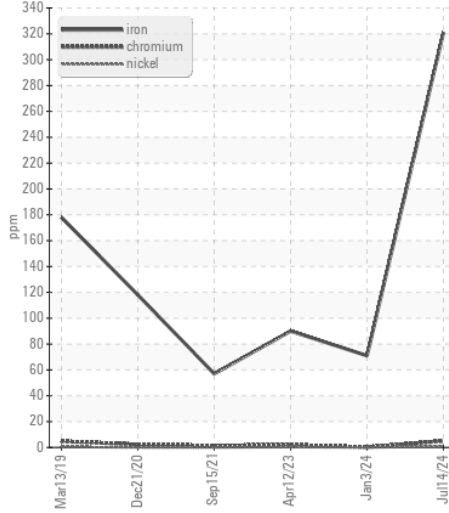
● Aluminum (ppm)



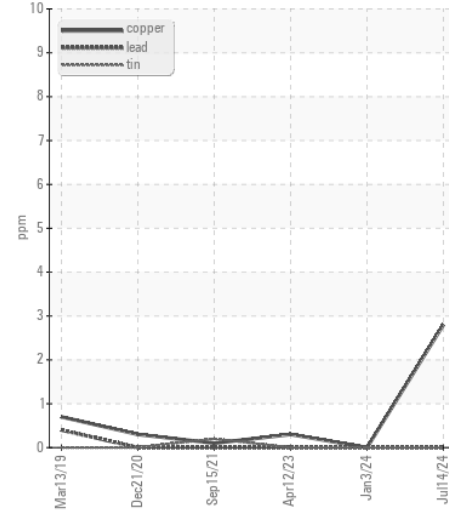
PQ



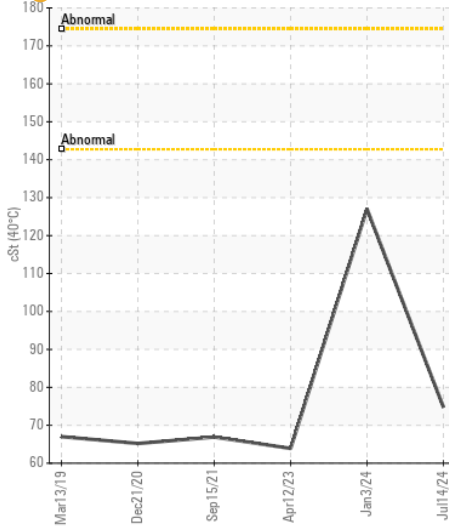
Ferrous Alloys



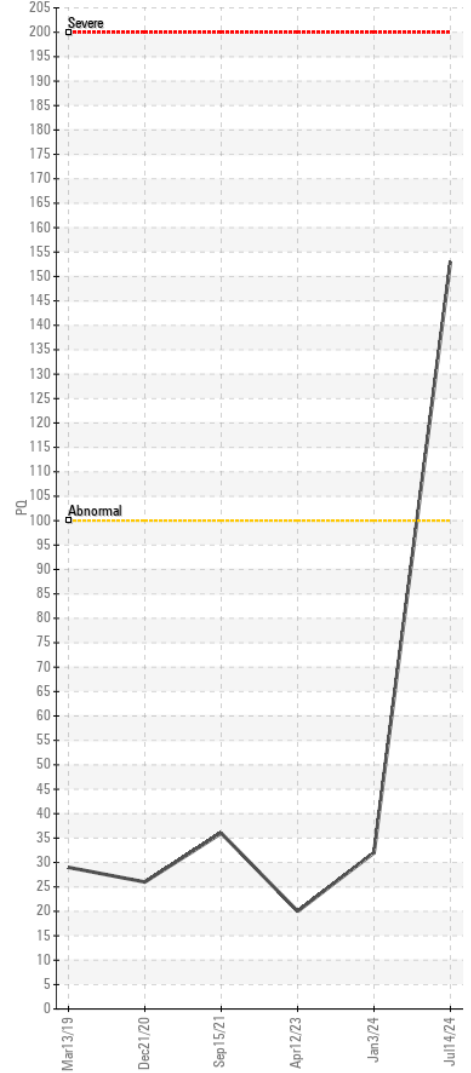
Non-ferrous Metals



● Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : JR0223387
 Lab Number : 06236381
 Unique Number : 11125215
 Test Package : CONST (Additional Tests: PQ)

Received : 15 Jul 2024
 Tested : 16 Jul 2024
 Diagnosed : 16 Jul 2024 - Sean Felton

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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)