



Machine Id
JOHN DEERE 1FF350GXCHF812280
 Component
Swing Drive Gear Case
 Fluid
JOHN DEERE GL-5 80W90 (13 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

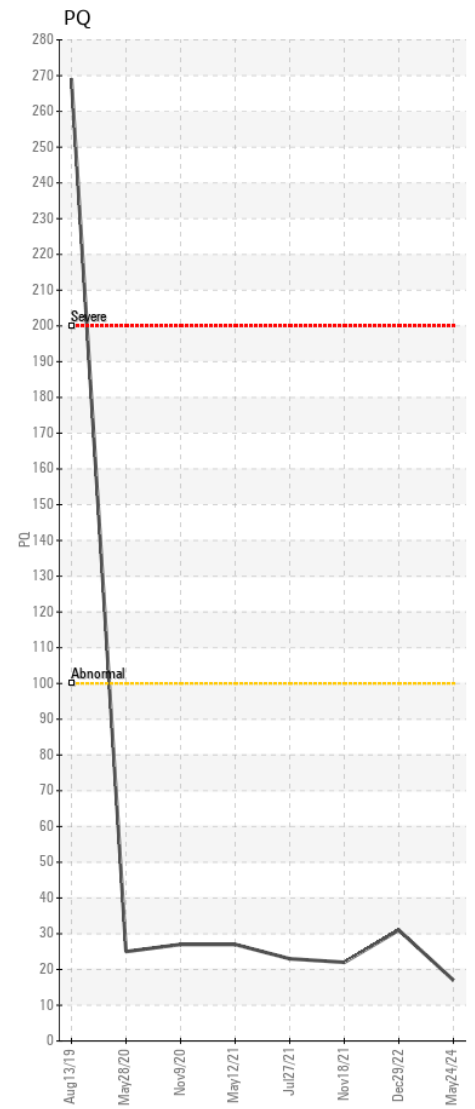
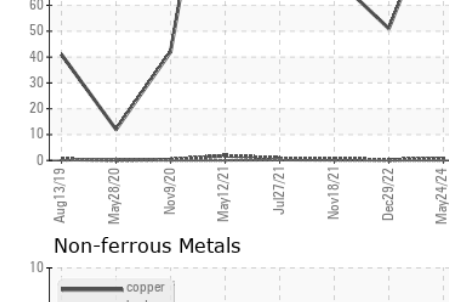
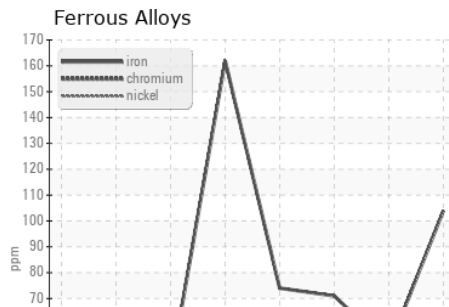
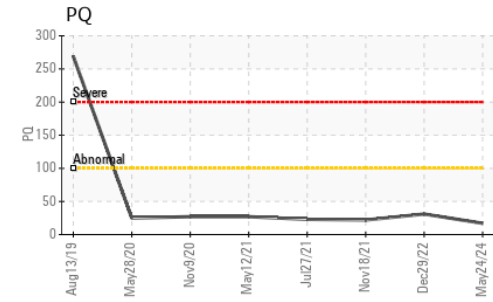
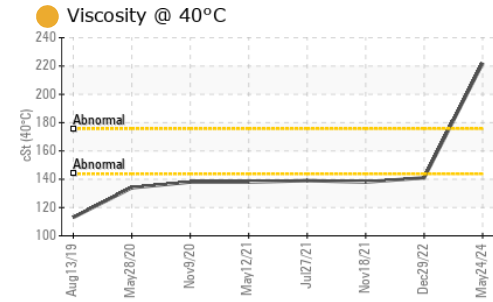
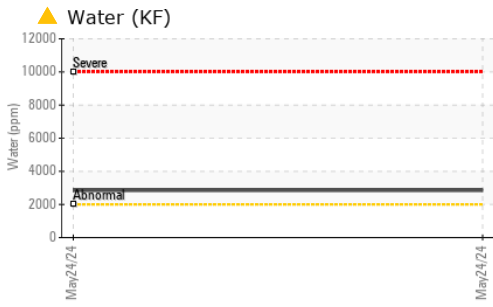
CONTAMINATION

Appearance is hazy. There is a light concentration of water present in the oil.

FLUID CONDITION

The oil viscosity is higher than normal.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0210225	JR0157641	JR0106329
Sample Date		Client Info		24 May 2024	29 Dec 2022	18 Nov 2021
Machine Age	hrs	Client Info		6316	4991	3973
Oil Age	hrs	Client Info		0	4991	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	None	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184		17	31	22
Iron	ppm	ASTM D5185m	>200	104	51	71
Chromium	ppm	ASTM D5185m	>10	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m		0	0	0
Lead	ppm	ASTM D5185m		0	0	0
Copper	ppm	ASTM D5185m		<1	0	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m		5	2	2
Potassium	ppm	ASTM D5185m	>20	1	0	0
Water	%	ASTM D6304	>0.2	▲ 0.285	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 2850	---	---
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	● HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		<1	<1	<1
Boron	ppm	ASTM D5185m		61	54	33
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		6	<1	1
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		23	2	2
Calcium	ppm	ASTM D5185m		36	14	67
Phosphorus	ppm	ASTM D5185m		569	457	360
Zinc	ppm	ASTM D5185m		32	0	22
Sulfur	ppm	ASTM D5185m		22490	25056	15999
Visc @ 40°C	cSt	ASTM D445		● 222.0	141	138



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0210225 **Received** : 30 May 2024
Lab Number : 06196049 **Tested** : 05 Jun 2024
Unique Number : 11058172 **Diagnosed** : 05 Jun 2024 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, PQ)

FITZGERALD EXCAVATING
 PO BOX 2168
 WINCHESTER, VA
 US 22604
 Contact: Service Manager

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)

T:
F: