



OIL ANALYSIS REPORT

WEAR	ABNORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	ATTENTION



Area
Store 3 - Norton [146629]
Machine Id
JOHN DEERE 135G 1FF135GXAJF501208
Component
Swing Drive
Fluid
JOHN DEERE GL-5 80W90 (3 QTS)

RECOMMENDATION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044784	LEC0019586	LEC0010972
Sample Date		Client Info		08 Jan 2024	06 May 2021	20 Mar 2020
Machine Age	hrs	Client Info		1949	996	490
Oil Age	hrs	Client Info		953	506	490
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

WEAR

Gear wear is indicated.

PQ		ASTM D8184		101	67	62
Iron	ppm	ASTM D5185m	>151	▲ 178	113	97
Chromium	ppm	ASTM D5185m	>11	1	2	1
Nickel	ppm	ASTM D5185m	>10	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	0	0	<1
Lead	ppm	ASTM D5185m	>51	0	0	0
Copper	ppm	ASTM D5185m	>51	<1	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

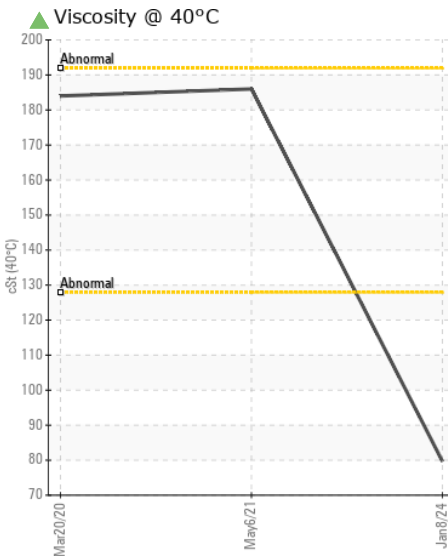
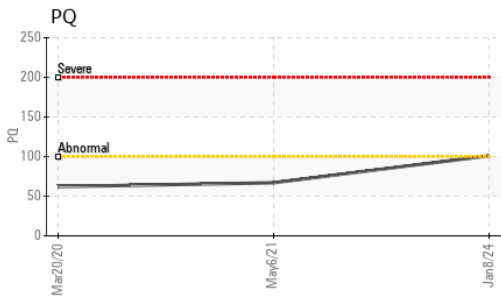
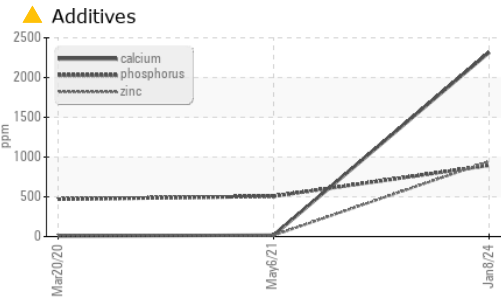
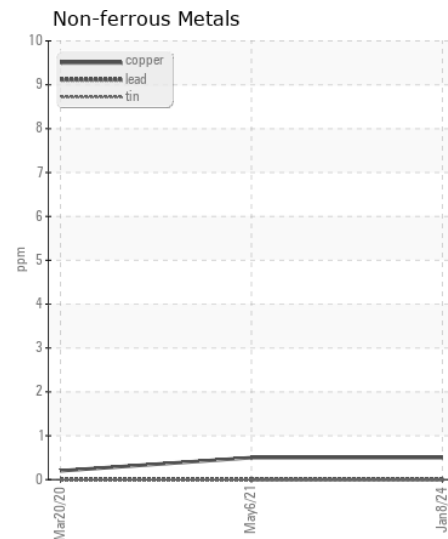
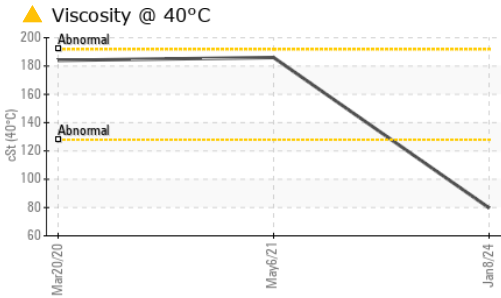
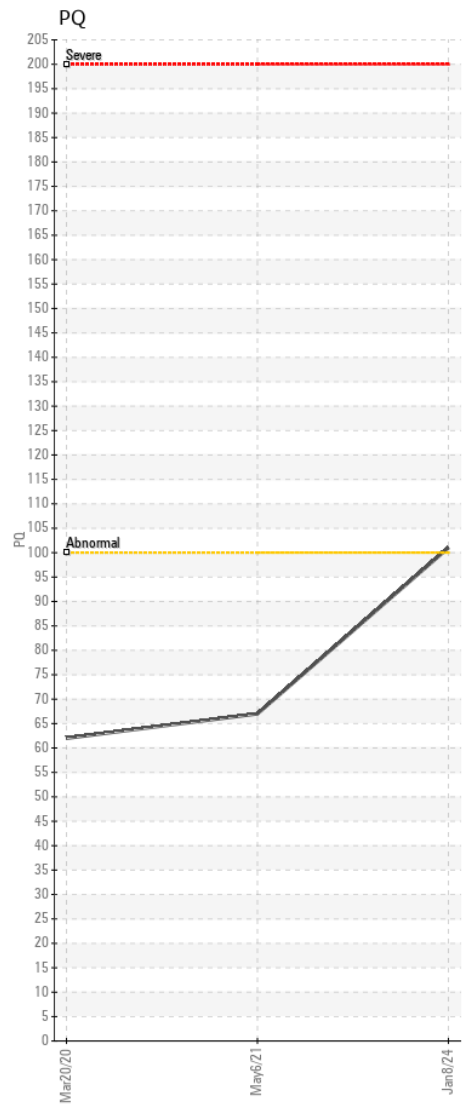
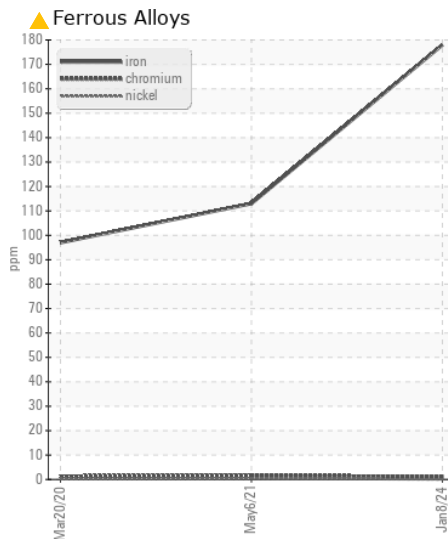
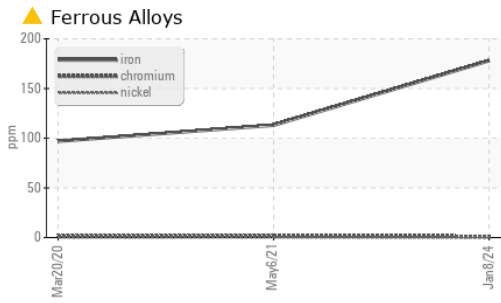
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	21	23	26
Potassium	ppm	ASTM D5185m	>20	2	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 oil viscosity is lower than normal. Additive levels indicate the addition of a different brand, or type of oil. Confirm oil type.

Sodium	ppm	ASTM D5185m	>51	<1	<1	<1
Boron	ppm	ASTM D5185m		37	59	56
Barium	ppm	ASTM D5185m		4	11	11
Molybdenum	ppm	ASTM D5185m		0	<1	0
Manganese	ppm	ASTM D5185m		2	2	2
Magnesium	ppm	ASTM D5185m		▲ 69	2	<1
Calcium	ppm	ASTM D5185m		▲ 2317	17	8
Phosphorus	ppm	ASTM D5185m		▲ 895	507	470
Zinc	ppm	ASTM D5185m		▲ 945	15	14
Sulfur	ppm	ASTM D5185m		▲ 6491	13891	10956
Visc @ 40°C	cSt	ASTM D445		▲ 79.7	186	184



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0044784 **Received** : 10 Jan 2024
Lab Number : 06056946 **Diagnosed** : 11 Jan 2024
Unique Number : 10822895 **Diagnostician** : Don Baldridge
Test Package : CONST (Additional Tests: PQ)

US FOREST SERVICE
 200 SYCAMORE ST
 ELKINS, WV
 US 26241
 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)

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