



WEAR	SEVERE
CONTAMINATION	SEVERE
FLUID CONDITION	ATTENTION

Machine Id
SENNEBOGEN 830M-T 830.0.2922
 Component
Swing Drive
 Fluid
JOHN DEERE GL-5 80W90 (5 QTS)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. We advise that you check for the source of water entry. The oil change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

WEAR

Gear wear is indicated.

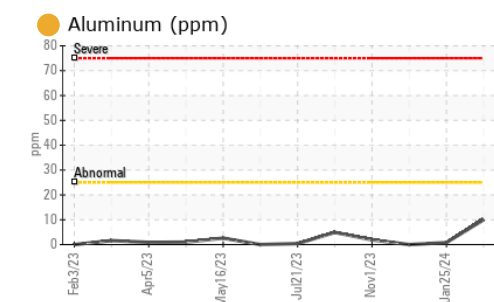
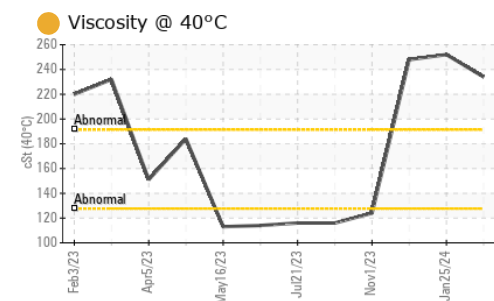
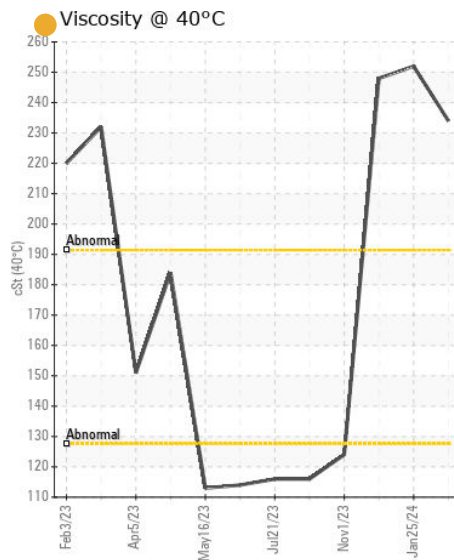
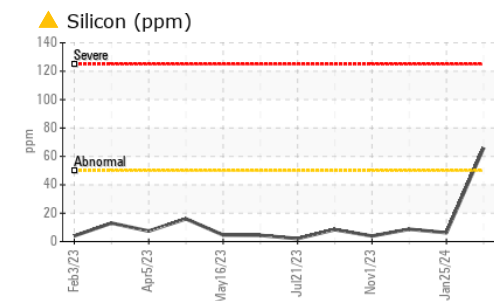
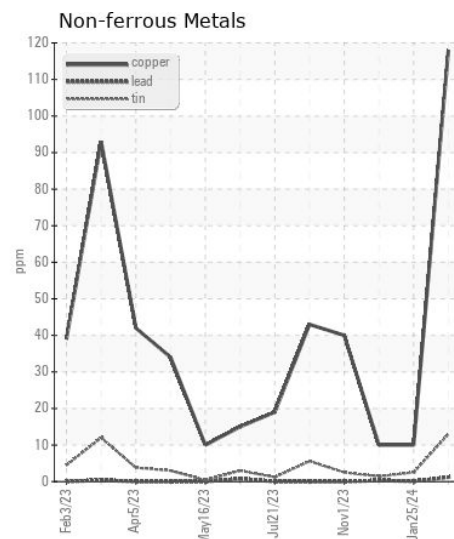
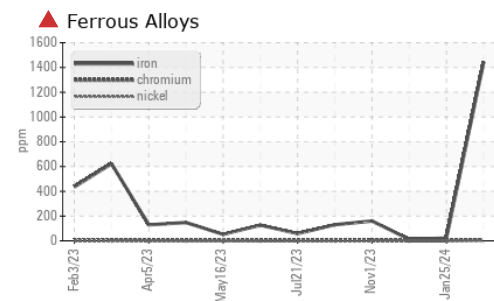
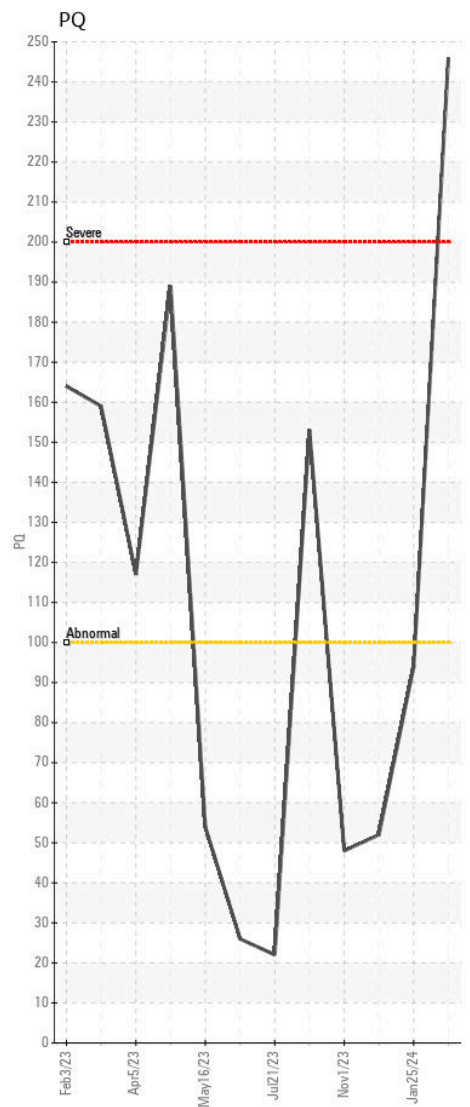
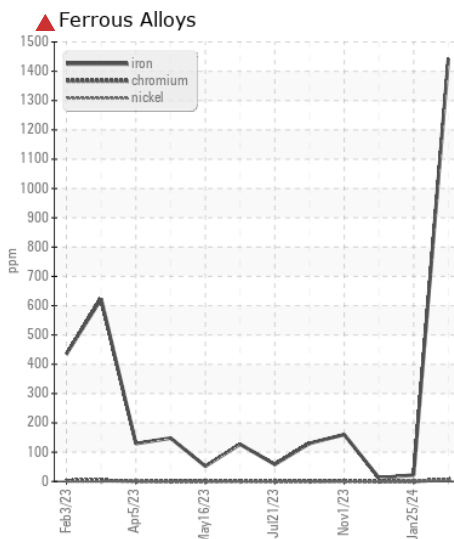
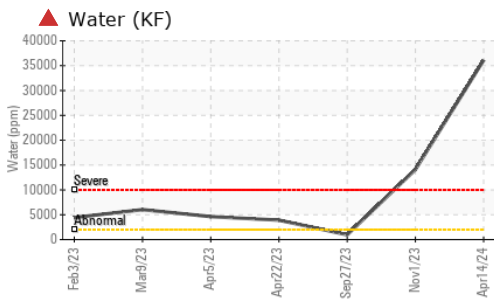
CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a high concentration of water present in the oil.

FLUID CONDITION

The oil is no longer serviceable due to the presence of contaminants.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0193915	JR0200546	JR0193986
Sample Date		Client Info		14 Apr 2024	25 Jan 2024	05 Dec 2023
Machine Age	hrs	Client Info		10160	8566	7611
Oil Age	hrs	Client Info		1594	8113	453
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	ATTENTION	ATTENTION
PQ		ASTM D8184		246	94	52
Iron	ppm	ASTM D5185m	>400	▲ 1443	22	12
Chromium	ppm	ASTM D5185m	>10	7	0	0
Nickel	ppm	ASTM D5185m	>10	3	1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	0	0
Aluminum	ppm	ASTM D5185m	>25	● 10	<1	0
Lead	ppm	ASTM D5185m	>50	1	<1	<1
Copper	ppm	ASTM D5185m	>200	118	10	10
Tin	ppm	ASTM D5185m	>10	13	2	1
Vanadium	ppm	ASTM D5185m		<1	0	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>50	▲ 66	6	9
Potassium	ppm	ASTM D5185m	>20	2	3	3
Water	%	ASTM D6304	>0.2	▲ 3.61	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 36100	---	---
Silt	scalar	*Visual	NONE	MODER	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	>0.2	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m		11	<1	0
Boron	ppm	ASTM D5185m		26	6	36
Barium	ppm	ASTM D5185m		6	<1	0
Molybdenum	ppm	ASTM D5185m		2	0	0
Manganese	ppm	ASTM D5185m		15	<1	<1
Magnesium	ppm	ASTM D5185m		14	3	0
Calcium	ppm	ASTM D5185m		111	6	9
Phosphorus	ppm	ASTM D5185m		581	421	526
Zinc	ppm	ASTM D5185m		105	2	3
Sulfur	ppm	ASTM D5185m		8634	2035	1904
Visc @ 40°C	cSt	ASTM D445		● 234	● 252	● 248



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0193915
Lab Number : 06150631
Unique Number : 10980709
Test Package : CONST (Additional Tests: KF, PQ)

Received : 16 Apr 2024
Tested : 18 Apr 2024
Diagnosed : 18 Apr 2024 - Don Baldrige

JRE - GREENVILLE
 3604 HIGHWAY 264 E
 GREENVILLE, NC
 US 27834-5800

Contact: GREENVILLE SHOP
 christopher.martin@jamesriverequipment.com

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: