



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SENNEBOGEN 830M-T 830.0.2922
 Component
Front Transfer Case
 Fluid
JOHN DEERE GL-5 80W90 (2 QTS)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0193918	JR0193971	JR0193977
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	7224	6722
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				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		45	45	42
Iron	ppm	ASTM D5185m	>500	67	65	57
Chromium	ppm	ASTM D5185m	>5	<1	<1	<1
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>45	2	<1	0
Lead	ppm	ASTM D5185m	>150	<1	0	<1
Copper	ppm	ASTM D5185m	>100	87	121	112
Tin	ppm	ASTM D5185m	>5	2	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

CONTAMINATION

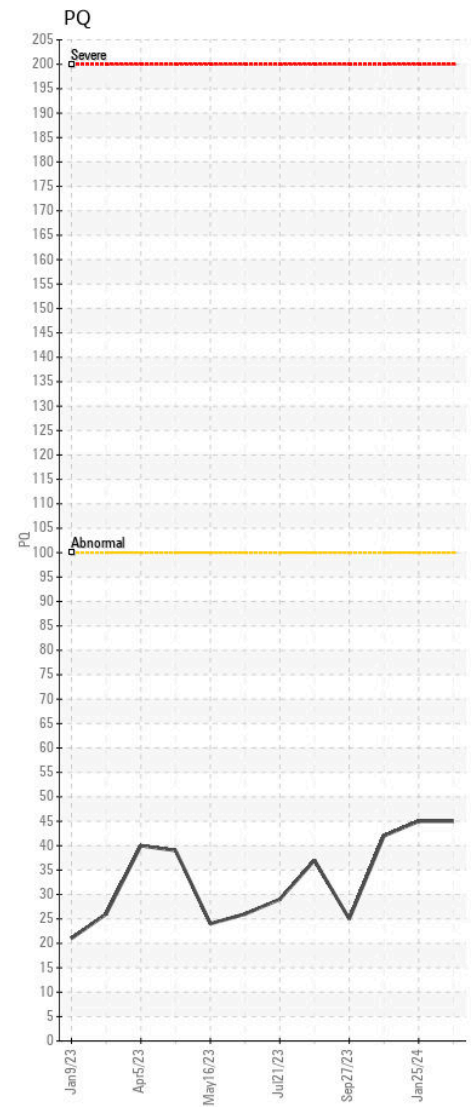
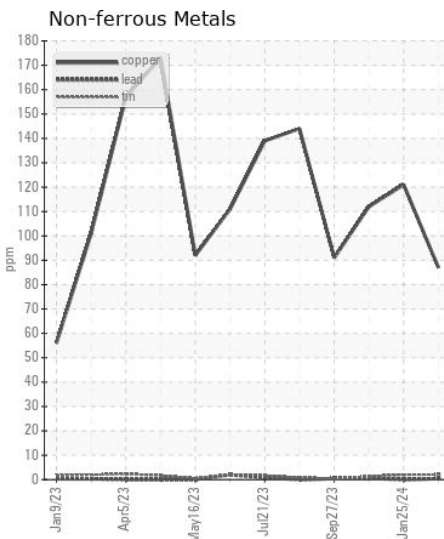
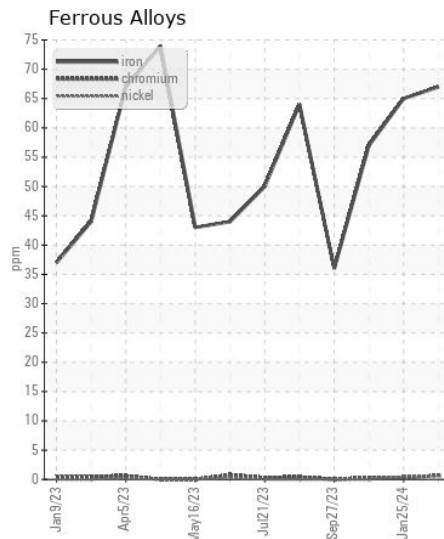
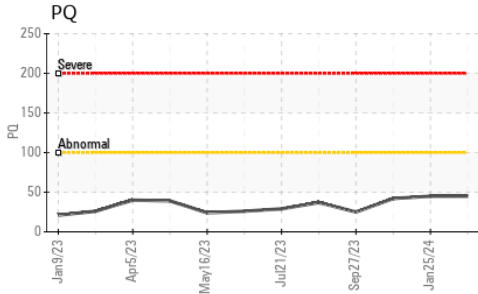
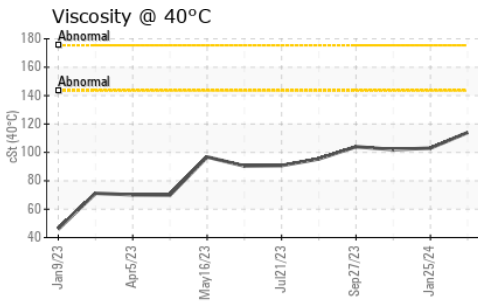
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>85	4	3	4
Potassium	ppm	ASTM D5185m	>20	2	2	<1
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		1	6	4
Boron	ppm	ASTM D5185m		0	0	5
Barium	ppm	ASTM D5185m		1	1	0
Molybdenum	ppm	ASTM D5185m		1	0	<1
Manganese	ppm	ASTM D5185m		7	10	9
Magnesium	ppm	ASTM D5185m		4	4	0
Calcium	ppm	ASTM D5185m		83	216	237
Phosphorus	ppm	ASTM D5185m		389	386	454
Zinc	ppm	ASTM D5185m		21	102	116
Sulfur	ppm	ASTM D5185m		20341	15181	16542
Visc @ 40°C	cSt	ASTM D445		114	103	102



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0193918 **Received** : 16 Apr 2024
Lab Number : 06150639 **Tested** : 17 Apr 2024
Unique Number : 10980717 **Diagnosed** : 18 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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)

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