



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
SENNEBOGEN 830M-T 830.0.2922
 Component
Rear 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		JR0212394	JR0200637	JR0193932
Sample Date		Client Info		02 Jul 2024	14 Apr 2024	25 Jan 2024
Machine Age	hrs	Client Info		11681	10160	8566
Oil Age	hrs	Client Info		1521	1594	7224
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	Changed	Changed
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		70	65	47
Iron	ppm	ASTM D5185m	>500	90	143	67
Chromium	ppm	ASTM D5185m	>5	0	1	0
Nickel	ppm	ASTM D5185m	>5	0	<1	<1
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>45	<1	2	<1
Lead	ppm	ASTM D5185m	>150	0	<1	0
Copper	ppm	ASTM D5185m	>100	57	115	111
Tin	ppm	ASTM D5185m	>5	1	3	1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

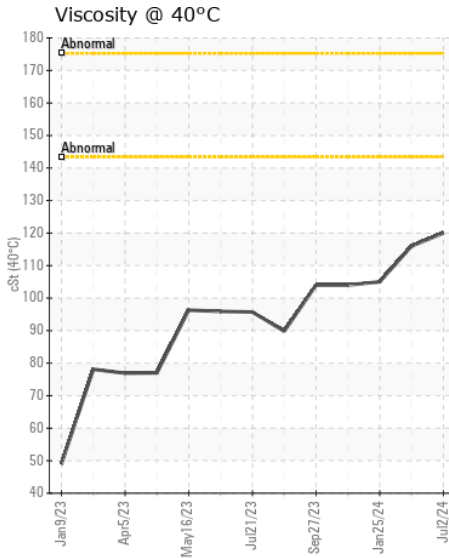
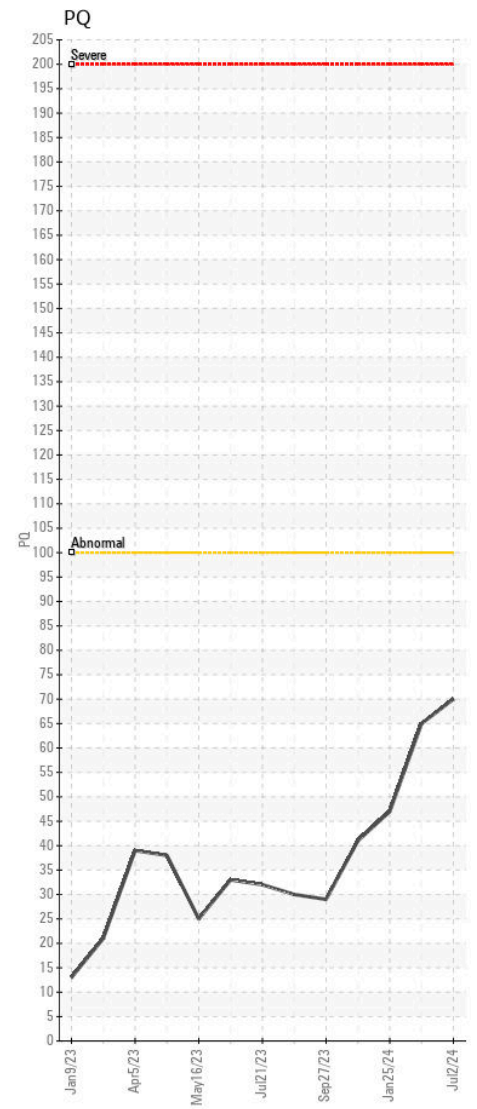
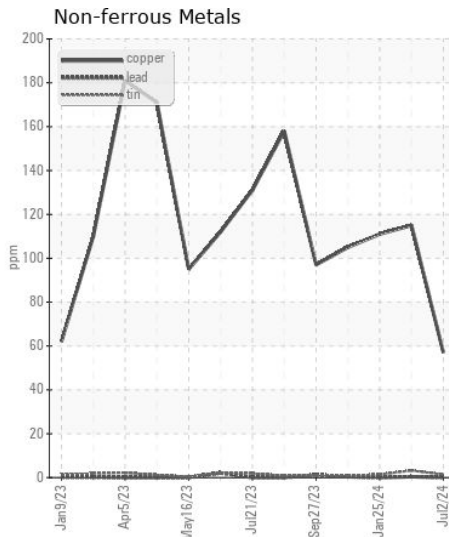
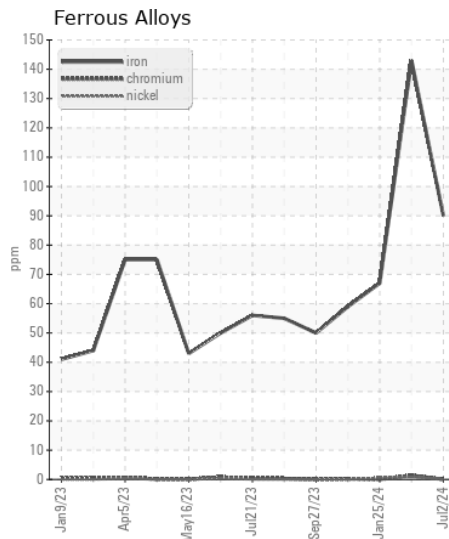
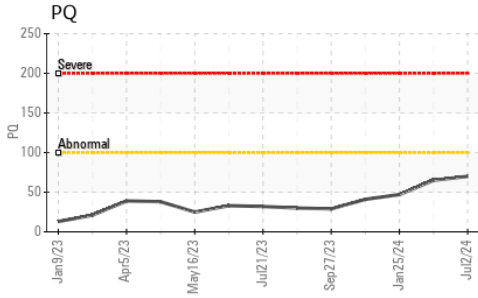
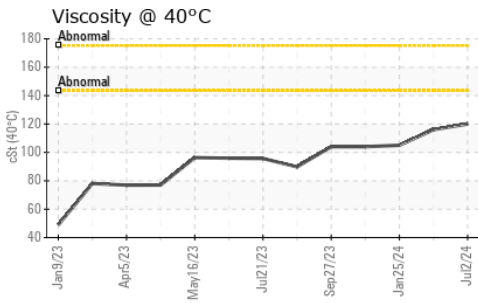
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>85	4	7	4
Potassium	ppm	ASTM D5185m	>20	1	2	3
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	3	4
Boron	ppm	ASTM D5185m		2	1	0
Barium	ppm	ASTM D5185m		0	1	1
Molybdenum	ppm	ASTM D5185m		0	2	0
Manganese	ppm	ASTM D5185m		8	12	7
Magnesium	ppm	ASTM D5185m		3	6	4
Calcium	ppm	ASTM D5185m		78	132	192
Phosphorus	ppm	ASTM D5185m		434	621	372
Zinc	ppm	ASTM D5185m		23	47	99
Sulfur	ppm	ASTM D5185m		20670	30597	14860
Visc @ 40°C	cSt	ASTM D445		120	116	105



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212394 **Received** : 03 Jul 2024
Lab Number : 06227820 **Tested** : 05 Jul 2024
Unique Number : 11111313 **Diagnosed** : 07 Jul 2024 - Don Baldrige
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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