



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[16W15804]
 Machine Id
JOHN DEERE 350GLC 1FF350GXHBE808054
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (11 QTS)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: 16W15804)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206953	JR0160976	JR0153818
Sample Date		Client Info		18 Mar 2024	02 Mar 2023	20 Jan 2023
Machine Age	hrs	Client Info		4597	3946	3809
Oil Age	hrs	Client Info		1261	0	1181
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Not Changd	Not Changd
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	SEVERE	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	179	1061	1156
Iron	ppm	ASTM D5185m	>750	252	424	1004
Chromium	ppm	ASTM D5185m	>9	2	7	11
Nickel	ppm	ASTM D5185m	>10	2	<1	2
Titanium	ppm	ASTM D5185m		1	5	5
Silver	ppm	ASTM D5185m		0	0	<1
Aluminum	ppm	ASTM D5185m	>40	6	53	49
Lead	ppm	ASTM D5185m	>15	<1	1	1
Copper	ppm	ASTM D5185m	>40	3	2	4
Tin	ppm	ASTM D5185m	>10	<1	<1	<1
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	MODER	MODER
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

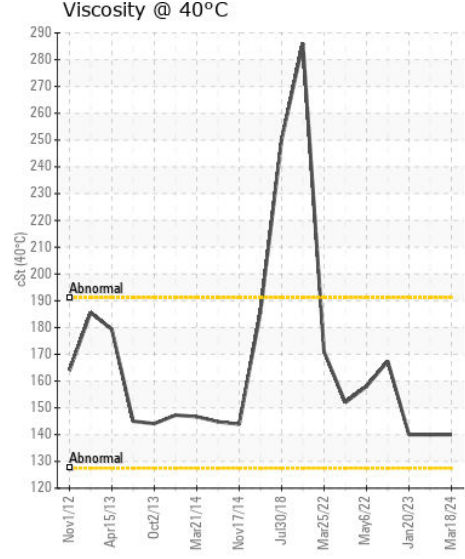
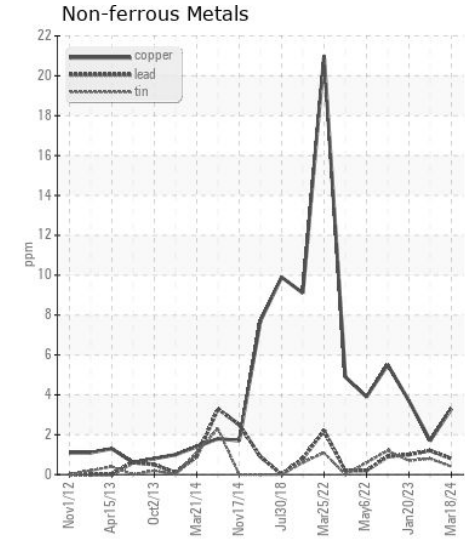
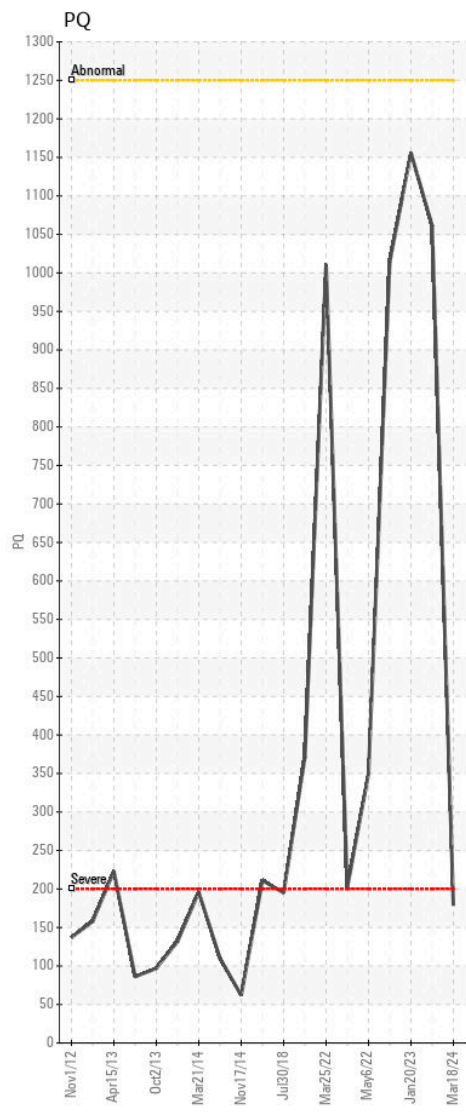
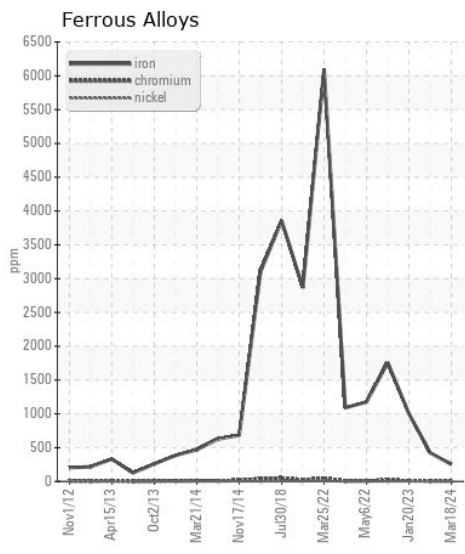
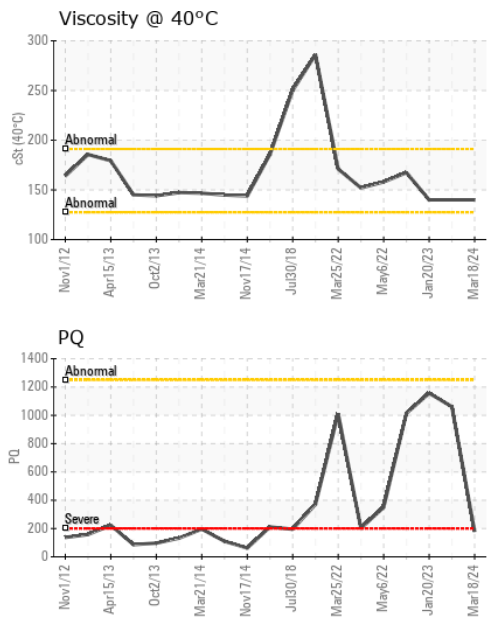
The water content is negligible. There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	43	440	481
Potassium	ppm	ASTM D5185m	>20	2	23	20
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	MODER	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	HAZY	MILKY
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	NEG	0.2%	0.2%

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	40	7	6
Boron	ppm	ASTM D5185m		1	8	8
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		2	1	1
Manganese	ppm	ASTM D5185m		2	4	8
Magnesium	ppm	ASTM D5185m		8	34	34
Calcium	ppm	ASTM D5185m		140	836	987
Phosphorus	ppm	ASTM D5185m		248	180	278
Zinc	ppm	ASTM D5185m		40	22	10
Sulfur	ppm	ASTM D5185m		19567	21777	20155
Visc @ 40°C	cSt	ASTM D445		140	140	140



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206953 **Received** : 20 Mar 2024
Lab Number : 06123928 **Tested** : 21 Mar 2024
Unique Number : 10938079 **Diagnosed** : 22 Mar 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CASTLE HAYNE
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Certificate L2367
 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)