



WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 4730 1B04730XC00028527

Component
Final Drive

Fluid
{not provided} (--- QTS)

RECOMMENDATION

We recommend an early resample to monitor this condition. Please specify the brand, type, and viscosity of the oil on your next sample.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0149157	JR0149156	JR0149155
Sample Date		Client Info		12 Mar 2023	11 Mar 2023	10 Mar 2023
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				SEVERE	SEVERE	ABNORMAL

WEAR

Bearing and/or bushing wear is indicated. Gear wear is indicated.

PQ		ASTM D8184	>1250	130	103	522
Iron	ppm	ASTM D5185m	>750	▲ 1049	744	▲ 928
Chromium	ppm	ASTM D5185m	>9	17	10	▲ 11
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	3	<1
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>40	4	3	5
Lead	ppm	ASTM D5185m	>15	2	2	0
Copper	ppm	ASTM D5185m	>40	● 235	● 209	10
Tin	ppm	ASTM D5185m	>10	9	8	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

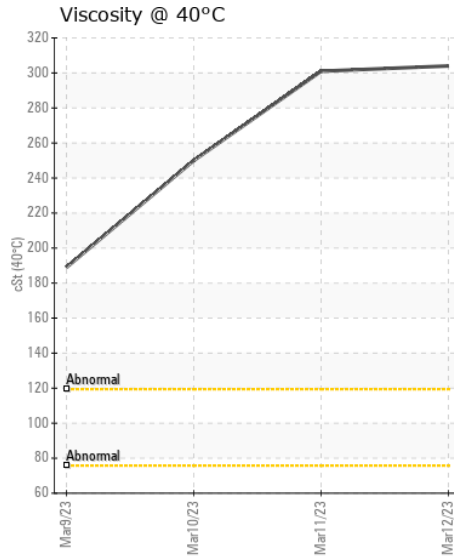
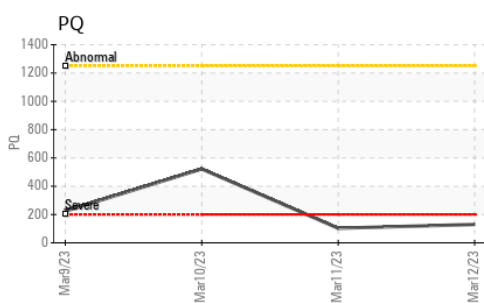
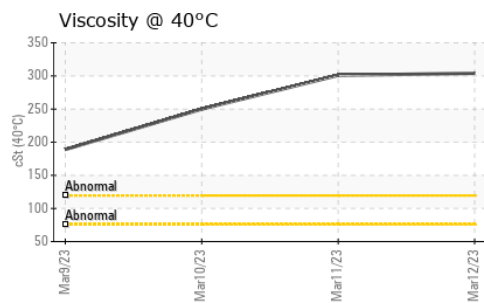
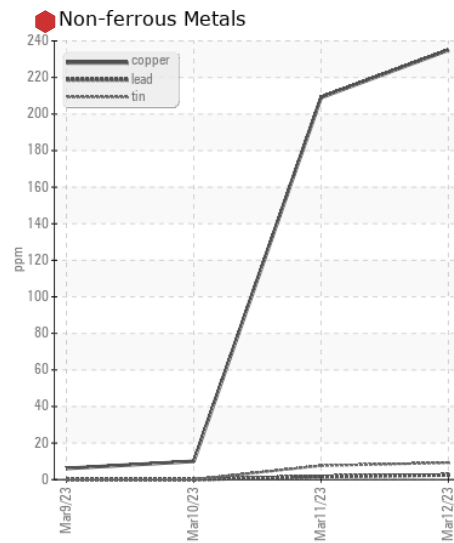
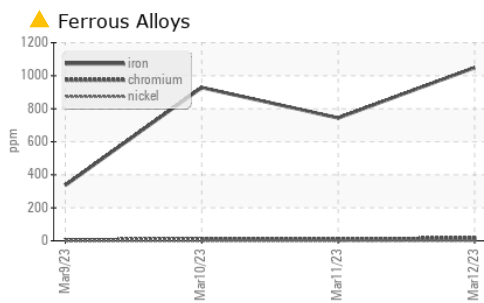
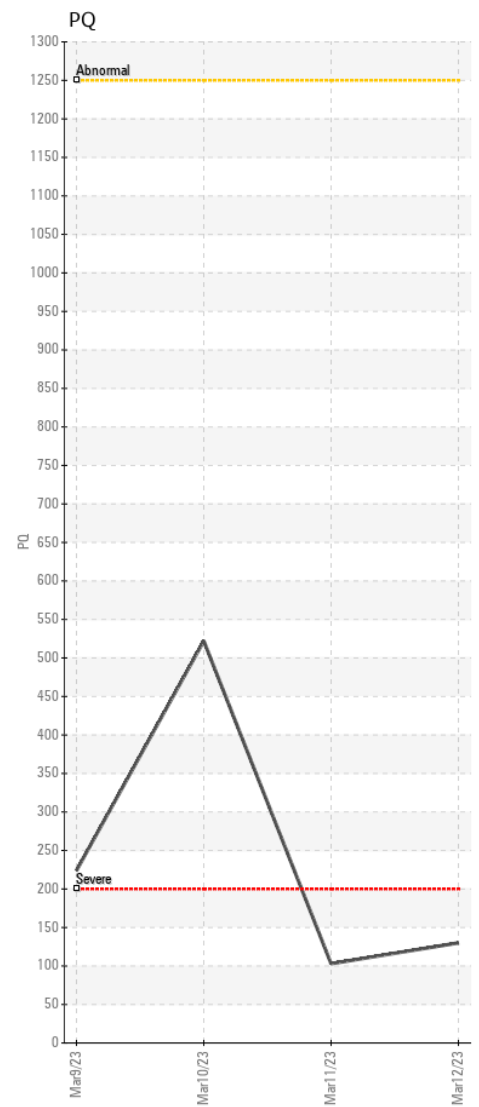
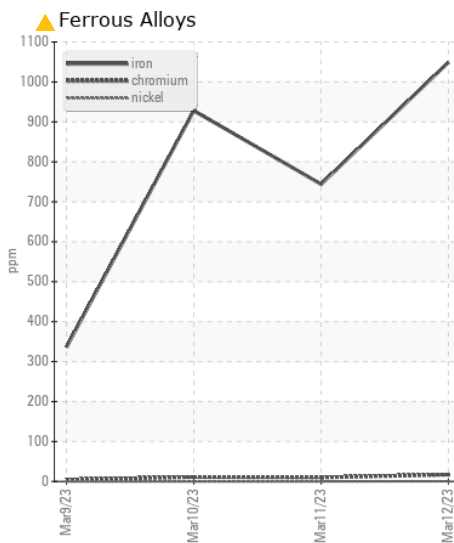
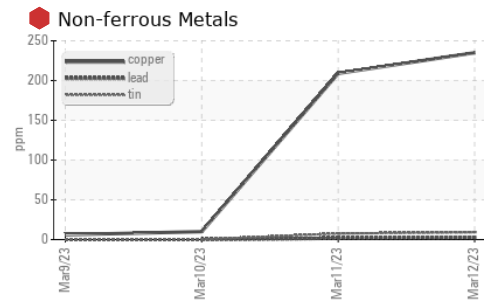
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	37	19	37
Potassium	ppm	ASTM D5185m	>20	8	6	2
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	VLITE	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	51	52	27
Boron	ppm	ASTM D5185m		64	41	16
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		<1	<1	1
Manganese	ppm	ASTM D5185m		19	16	12
Magnesium	ppm	ASTM D5185m		5	6	4
Calcium	ppm	ASTM D5185m		64	71	61
Phosphorus	ppm	ASTM D5185m		746	769	625
Zinc	ppm	ASTM D5185m		102	96	62
Sulfur	ppm	ASTM D5185m		23310	23771	20153
Visc @ 40°C	cSt	ASTM D445		304	301	250



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0149157 **Received** : 10 Mar 2023
Lab Number : 05788720 **Tested** : 13 Mar 2023
Unique Number : 10373391 **Diagnosed** : 13 Mar 2023 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - WAKEFIELD
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 US 23888
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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)