



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 291291
 Component
Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0213015	JR0085701	JR0046793
Sample Date		Client Info		10 Apr 2024	21 Apr 2021	28 Apr 2020
Machine Age	hrs	Client Info		2580	1230	453
Oil Age	hrs	Client Info		1230	1230	453
Filter Age	hrs	Client Info		0	1230	0
Oil Changed		Client Info		N/A	Changed	N/A
Filter Changed		Client Info		N/A	Changed	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	163	227	284
Iron	ppm	ASTM D5185m	>750	493	594	207
Chromium	ppm	ASTM D5185m	>9	10	15	7
Nickel	ppm	ASTM D5185m	>10	5	7	2
Titanium	ppm	ASTM D5185m		2	2	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	11	23	4
Lead	ppm	ASTM D5185m	>15	1	<1	<1
Copper	ppm	ASTM D5185m	>40	3	3	2
Tin	ppm	ASTM D5185m	>10	<1	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	NONE	MODER	HEAVY
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

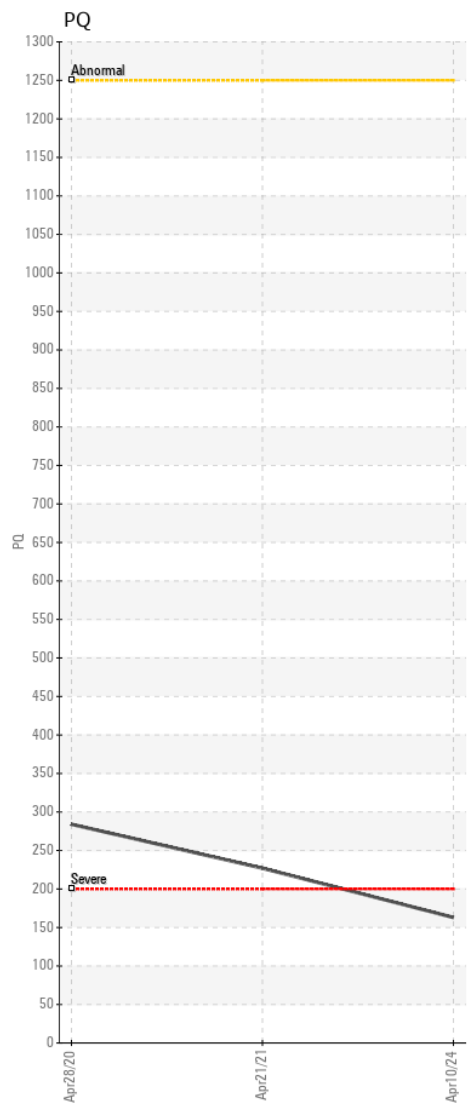
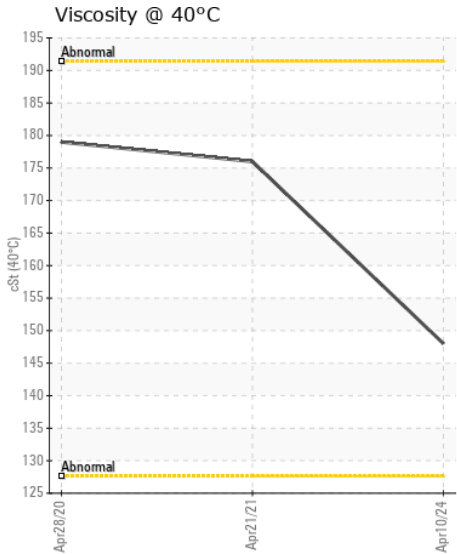
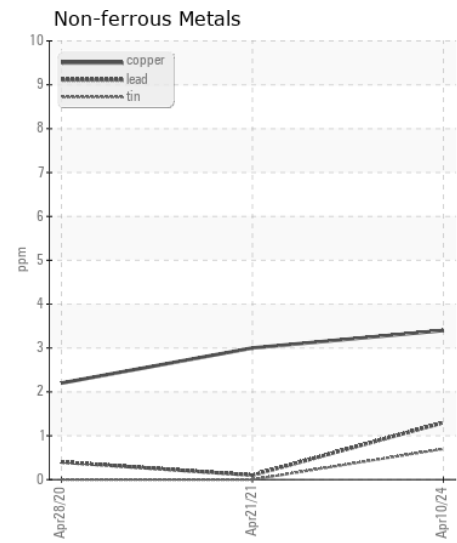
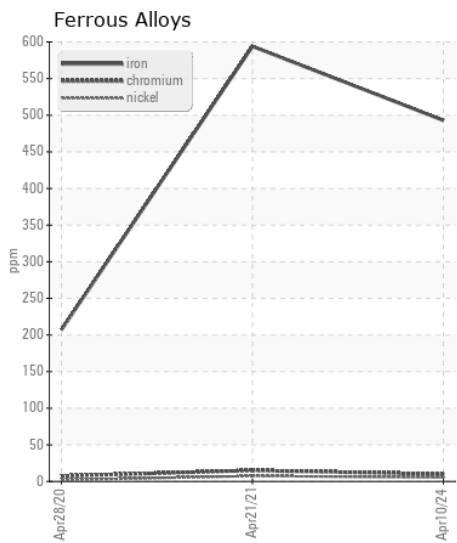
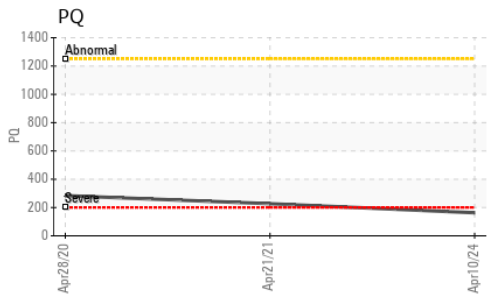
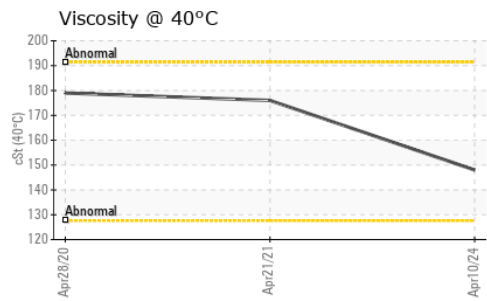
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	63	99	21
Potassium	ppm	ASTM D5185m	>20	5	5	3
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	4	2
Boron	ppm	ASTM D5185m		12	35	52
Barium	ppm	ASTM D5185m		5	8	10
Molybdenum	ppm	ASTM D5185m		1	<1	0
Manganese	ppm	ASTM D5185m		9	12	6
Magnesium	ppm	ASTM D5185m		4	5	2
Calcium	ppm	ASTM D5185m		22	63	43
Phosphorus	ppm	ASTM D5185m		403	439	472
Zinc	ppm	ASTM D5185m		136	179	93
Sulfur	ppm	ASTM D5185m		19858	13004	12318
Visc @ 40°C	cSt	ASTM D445		148	176	179



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0213015 **Received** : 11 Apr 2024
Lab Number : 06146128 **Tested** : 12 Apr 2024
Unique Number : 10976206 **Diagnosed** : 15 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - GARNER
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 US 27529
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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)