



WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
[W50925]
Machine Id
JOHN DEERE 300D BE300DT201357
Component
Front Right Final Drive
Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor. (Customer Sample Comment: W50925)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0222545	JR0130311	JR0034225
Sample Date		Client Info		27 Jun 2024	16 May 2022	21 Nov 2019
Machine Age	hrs	Client Info		11829	10825	9961
Oil Age	hrs	Client Info		11829	0	0
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Not Changd	N/A	Not Changd
Filter Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	47	39	39
Iron	ppm	ASTM D5185m	>750	41	73	54
Chromium	ppm	ASTM D5185m	>9	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	<1
Titanium	ppm	ASTM D5185m		<1	<1	0
Silver	ppm	ASTM D5185m		<1	<1	0
Aluminum	ppm	ASTM D5185m	>40	3	2	2
Lead	ppm	ASTM D5185m	>15	<1	0	0
Copper	ppm	ASTM D5185m	>40	2	4	3
Tin	ppm	ASTM D5185m	>10	<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

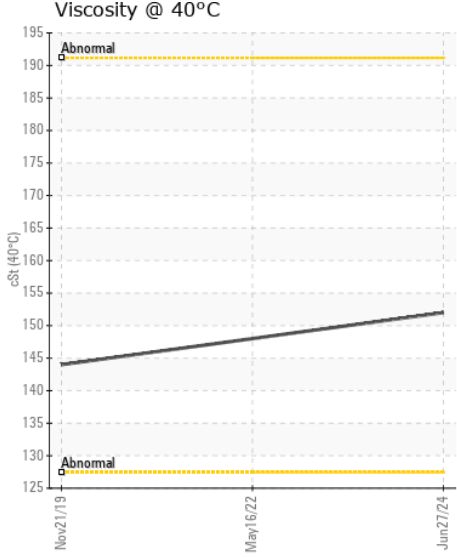
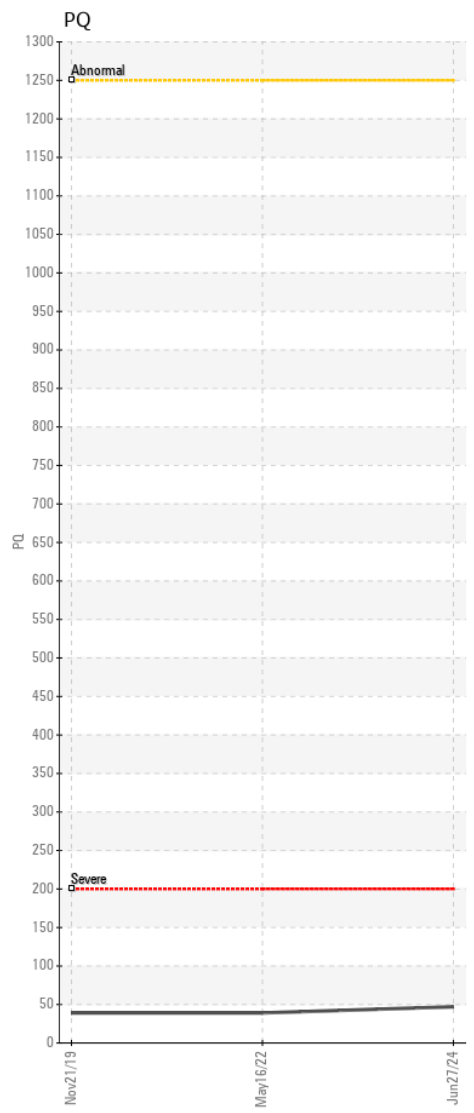
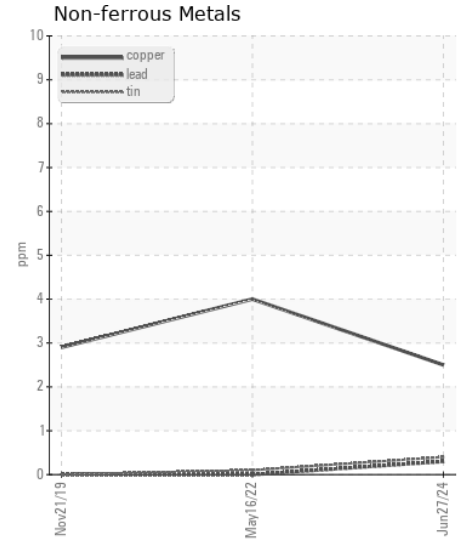
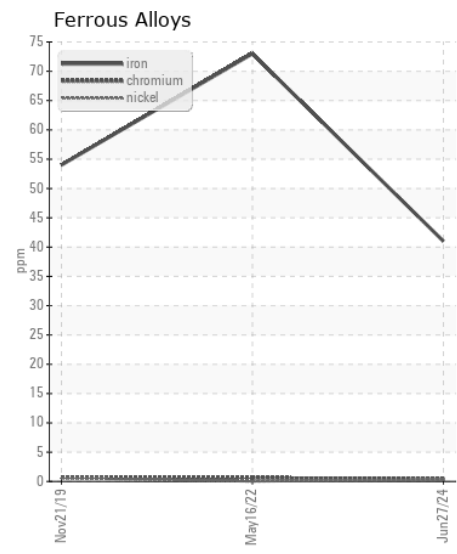
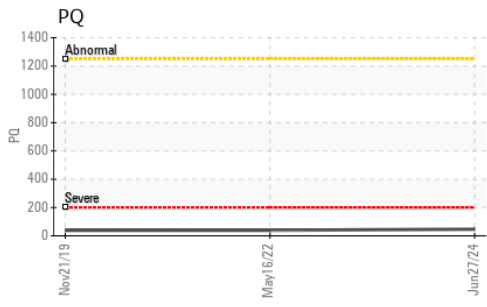
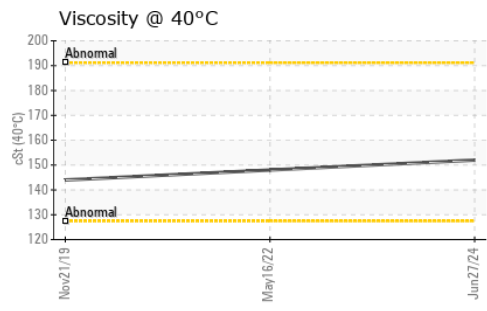
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	4	8	4
Potassium	ppm	ASTM D5185m	>20	2	<1	0
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	0	0	<1
Boron	ppm	ASTM D5185m		44	142	132
Barium	ppm	ASTM D5185m		<1	0	0
Molybdenum	ppm	ASTM D5185m		4	8	9
Manganese	ppm	ASTM D5185m		<1	1	<1
Magnesium	ppm	ASTM D5185m		<1	<1	0
Calcium	ppm	ASTM D5185m		4	14	10
Phosphorus	ppm	ASTM D5185m		1472	1516	1242
Zinc	ppm	ASTM D5185m		9	6	6
Sulfur	ppm	ASTM D5185m		17853	17770	16934
Visc @ 40°C	cSt	ASTM D445		152	148	144



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0222545 **Received** : 01 Jul 2024
Lab Number : 06225391 **Tested** : 02 Jul 2024
Unique Number : 11103588 **Diagnosed** : 03 Jul 2024 - Don Baldridge
Test Package : CONST (Additional Tests: PQ)

JRE - HOPE MILLS/FAYETTEVILLE
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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)