



Area
[W66545]

Machine Id
JOHN DEERE 333G 1T0333GMTLF389489

Component
Left Final Drive

Fluid
GEAR OIL SAE 80W90 (--- GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0206641	JR0142241	---
Sample Date		Client Info		24 Apr 2024	14 Oct 2022	---
Machine Age	hrs	Client Info		1597	874	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Not Changd	N/A	---
Filter Changed		Client Info		Not Changd	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

Metal levels are typical for a new component breaking in.

PQ		ASTM D8184	>1250	629	107	---
Iron	ppm	ASTM D5185m	>750	1608	793	---
Chromium	ppm	ASTM D5185m	>9	15	7	---
Nickel	ppm	ASTM D5185m	>10	8	<1	---
Titanium	ppm	ASTM D5185m		8	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	111	11	---
Lead	ppm	ASTM D5185m	>15	0	<1	---
Copper	ppm	ASTM D5185m	>40	0	2	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

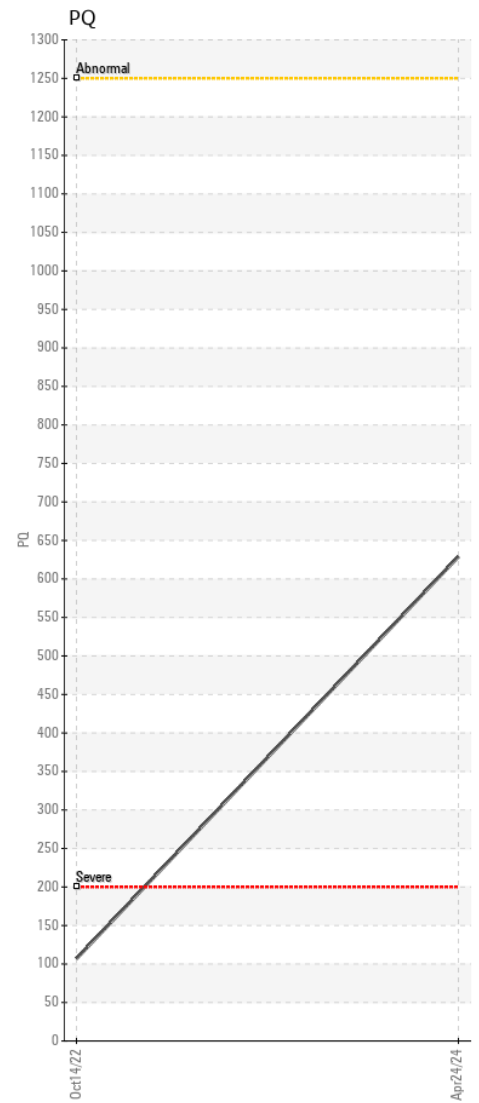
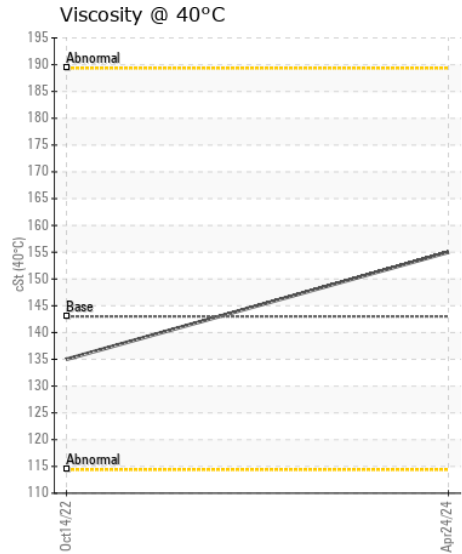
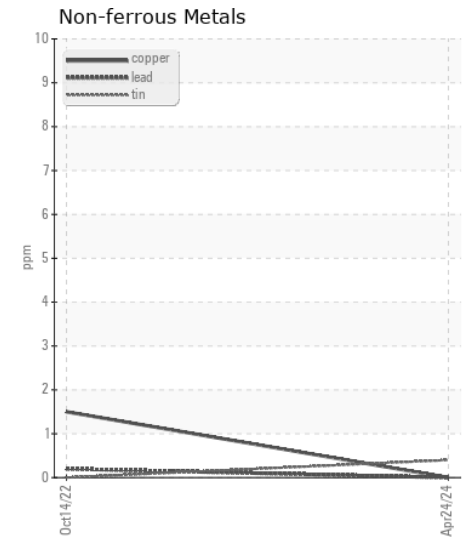
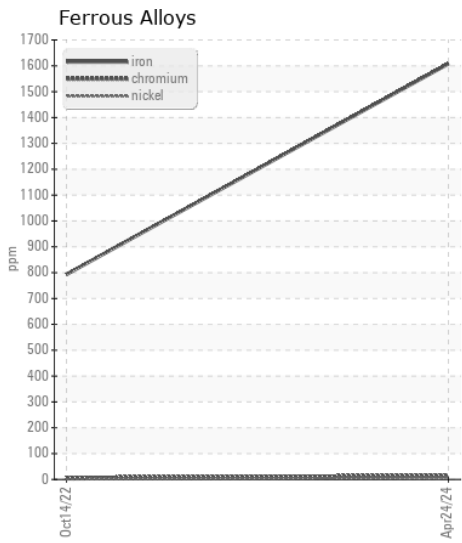
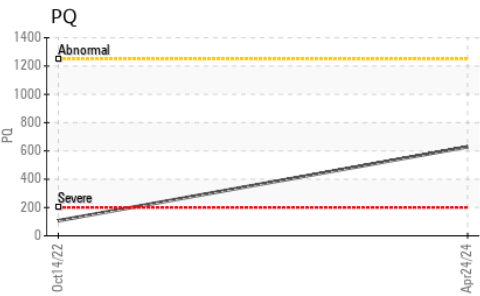
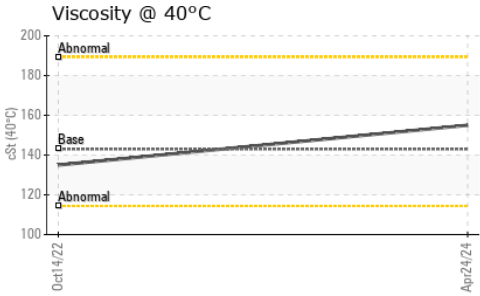
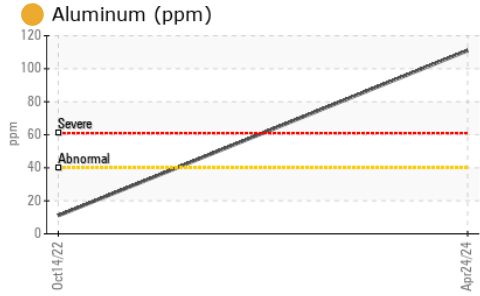
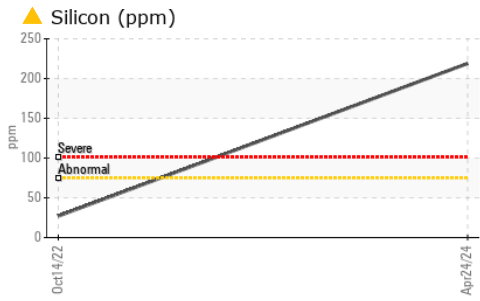
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	219	27	---
Potassium	ppm	ASTM D5185m	>20	17	9	---
Water		WC Method	>0.075	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.075	NEG	NEG	---

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>170	5	0	---
Boron	ppm	ASTM D5185m	400	13	21	---
Barium	ppm	ASTM D5185m	200	7	6	---
Molybdenum	ppm	ASTM D5185m	12	<1	2	---
Manganese	ppm	ASTM D5185m		14	7	---
Magnesium	ppm	ASTM D5185m	12	16	7	---
Calcium	ppm	ASTM D5185m	150	55	69	---
Phosphorus	ppm	ASTM D5185m	1650	147	374	---
Zinc	ppm	ASTM D5185m	125	15	31	---
Sulfur	ppm	ASTM D5185m	22500	20387	23058	---
Visc @ 40°C	cSt	ASTM D445	143	155	135	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0206641 **Received** : 25 Apr 2024
Lab Number : 06160667 **Tested** : 26 Apr 2024
Unique Number : 10996090 **Diagnosed** : 27 Apr 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

JRE - CHARLOTTE
 9550 STATESVILLE ROAD
 CHARLOTTE, NC
 US 28269

Contact: CHARLOTTE SHOP
 myoung@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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