



WEAR	ABNORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area

[RJ SMITH]

Machine Id

JOHN DEERE 1T0333GMVPPF455892

Component

Right Final Drive

Fluid

JOHN DEERE GL-5 80W90 (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.

WEAR

Gear wear is indicated. All other metal levels are typical for a new component breaking in.

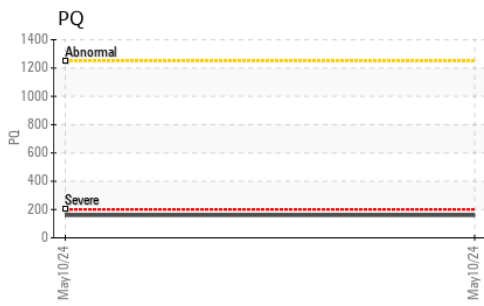
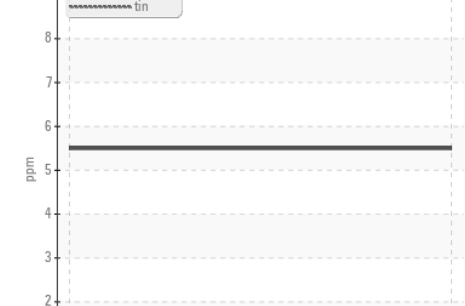
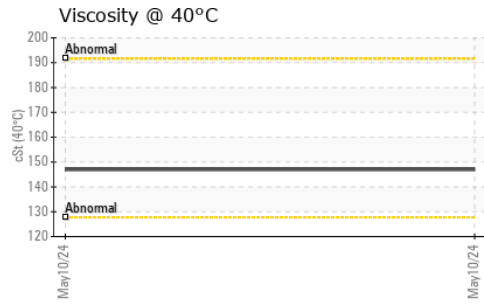
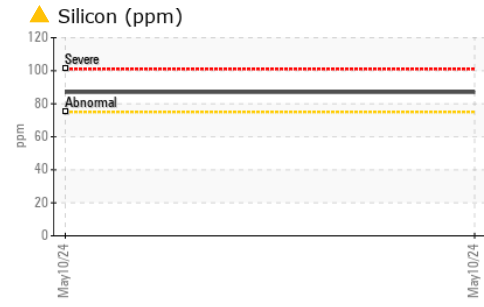
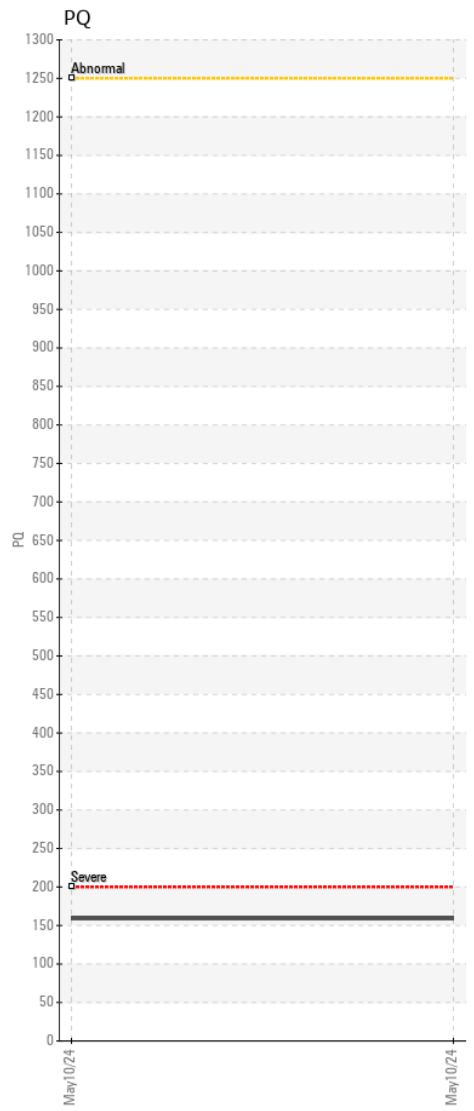
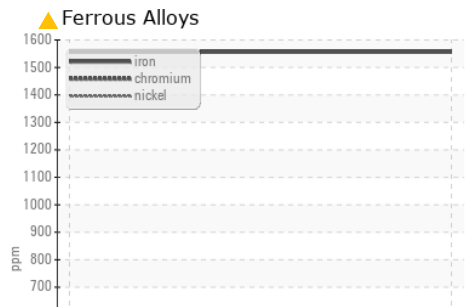
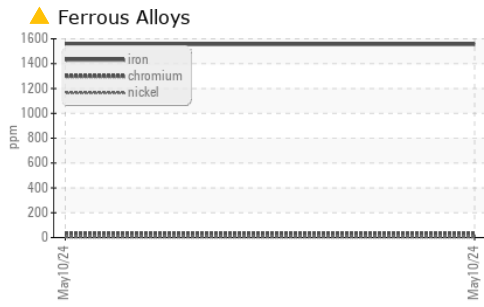
CONTAMINATION

Elemental level of silicon (Si) above normal indicating ingress of seal material.

FLUID CONDITION

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

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0212313	---	---
Sample Date		Client Info		10 May 2024	---	---
Machine Age	hrs	Client Info		672	---	---
Oil Age	hrs	Client Info		672	---	---
Filter Age	hrs	Client Info		0	---	---
Oil Changed		Client Info		Changed	---	---
Filter Changed		Client Info		N/A	---	---
Sample Status				ABNORMAL	---	---
PQ		ASTM D8184	>1250	159	---	---
Iron	ppm	ASTM D5185m	>750	▲ 1556	---	---
Chromium	ppm	ASTM D5185m	>9	▲ 31	---	---
Nickel	ppm	ASTM D5185m	>10	3	---	---
Titanium	ppm	ASTM D5185m		2	---	---
Silver	ppm	ASTM D5185m		0	---	---
Aluminum	ppm	ASTM D5185m	>40	9	---	---
Lead	ppm	ASTM D5185m	>15	0	---	---
Copper	ppm	ASTM D5185m	>40	6	---	---
Tin	ppm	ASTM D5185m	>10	<1	---	---
Vanadium	ppm	ASTM D5185m		<1	---	---
White Metal	scalar	*Visual	NONE	NONE	---	---
Yellow Metal	scalar	*Visual	NONE	NONE	---	---
Silicon	ppm	ASTM D5185m	>75	▲ 87	---	---
Potassium	ppm	ASTM D5185m	>20	10	---	---
Water		WC Method	>0.075	NEG	---	---
Silt	scalar	*Visual	NONE	NONE	---	---
Debris	scalar	*Visual	NONE	NONE	---	---
Sand/Dirt	scalar	*Visual	NONE	NONE	---	---
Appearance	scalar	*Visual	NORML	NORML	---	---
Odor	scalar	*Visual	NORML	NORML	---	---
Emulsified Water	scalar	*Visual	>0.075	NEG	---	---
Sodium	ppm	ASTM D5185m	>51	9	---	---
Boron	ppm	ASTM D5185m		3	---	---
Barium	ppm	ASTM D5185m		73	---	---
Molybdenum	ppm	ASTM D5185m		2	---	---
Manganese	ppm	ASTM D5185m		15	---	---
Magnesium	ppm	ASTM D5185m		16	---	---
Calcium	ppm	ASTM D5185m		18	---	---
Phosphorus	ppm	ASTM D5185m		469	---	---
Zinc	ppm	ASTM D5185m		17	---	---
Sulfur	ppm	ASTM D5185m		19913	---	---
Visc @ 40°C	cSt	ASTM D445		147	---	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0212313 **Received** : 13 May 2024
Lab Number : 06177463 **Tested** : 14 May 2024
Unique Number : 11023516 **Diagnosed** : 15 May 2024 - Don Baldrige
Test Package : CONST (Additional Tests: PQ)

R.J. SMITH
 1711 REYMET RD
 RICHMOND, VA
 US 23237
 Contact: KIRBY MAITLAND

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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