



WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 300G 1FF300GXHNF732154

Component
Pump Drive

Fluid
JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		JR0197373	JR0167837	---
Sample Date		Client Info		05 Feb 2024	05 Apr 2023	---
Machine Age	hrs	Client Info		1252	542	---
Oil Age	hrs	Client Info		1252	542	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Not Chngd	---
Filter Changed		Client Info		Changed	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		13	16	---
Iron	ppm	ASTM D5185m	>151	82	64	---
Chromium	ppm	ASTM D5185m	>11	2	2	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	1	0	---
Lead	ppm	ASTM D5185m	>51	0	0	---
Copper	ppm	ASTM D5185m	>51	<1	0	---
Tin	ppm	ASTM D5185m	>4	0	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

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

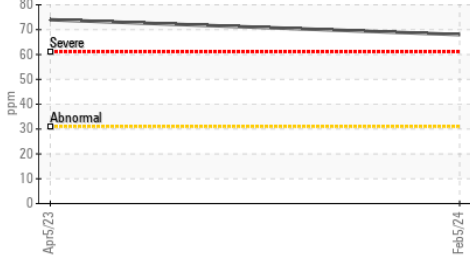
Silicon	ppm	ASTM D5185m	>31	▲ 68	▲ 74	---
Potassium	ppm	ASTM D5185m	>20	3	3	---
Water		WC Method	>0.1	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	---

FLUID CONDITION

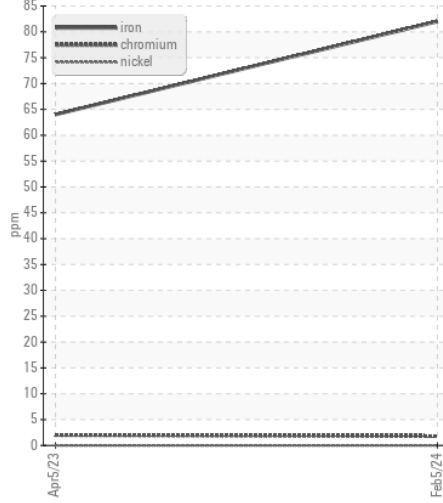
The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m	>51	0	0	---
Boron	ppm	ASTM D5185m		56	64	---
Barium	ppm	ASTM D5185m		16	1	---
Molybdenum	ppm	ASTM D5185m		104	111	---
Manganese	ppm	ASTM D5185m		5	5	---
Magnesium	ppm	ASTM D5185m		15	9	---
Calcium	ppm	ASTM D5185m		3821	4032	---
Phosphorus	ppm	ASTM D5185m		1242	1159	---
Zinc	ppm	ASTM D5185m		1220	1271	---
Sulfur	ppm	ASTM D5185m		9905	8448	---
Visc @ 40°C	cSt	ASTM D445	117	62.5	63.6	---

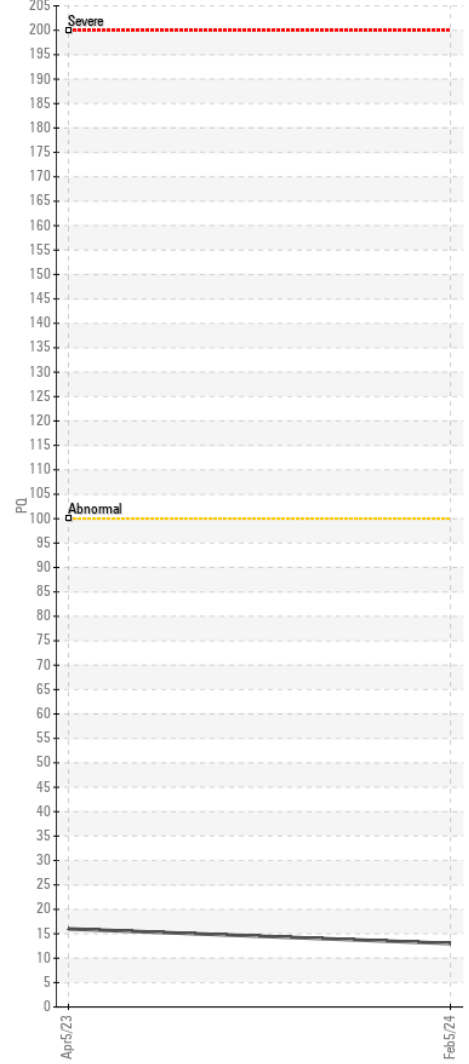
▲ Silicon (ppm)



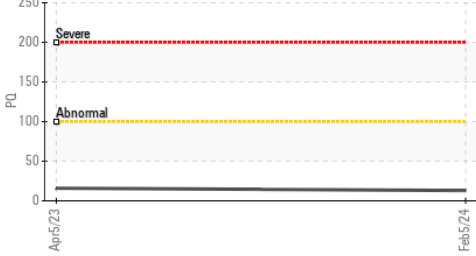
Ferrous Alloys



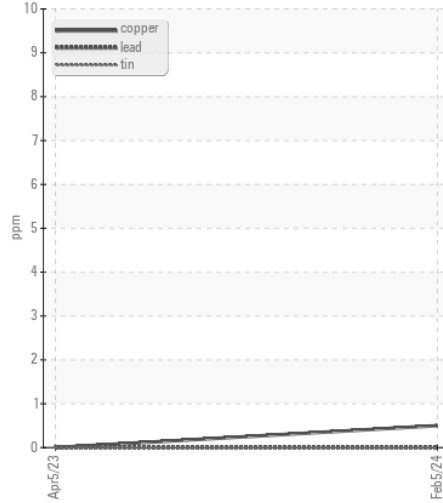
PQ



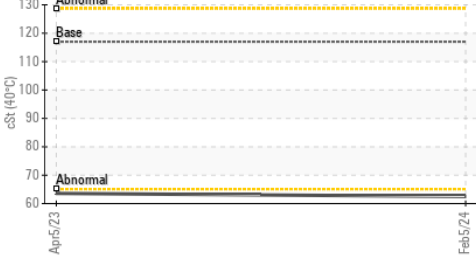
PQ



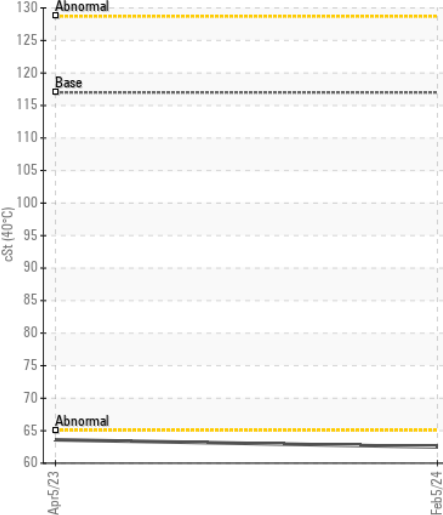
Non-ferrous Metals



Viscosity @ 40°C



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513

Sample No. : JR0197373

Lab Number : 06087697

Unique Number : 10875142

Test Package : CONST (Additional Tests: PQ)

Received : 13 Feb 2024

Tested : 14 Feb 2024

Diagnosed : 15 Feb 2024 - Angela Borella

JRE - GARNER

4161 AUBURN CHURCH RD

GARNER, NC

US 27529

Contact: RALEIGH SHOP

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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)