



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 35G 1FF035GXJJKK285795
 Component
Left Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- 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		JR0214275	JR0153416	---
Sample Date		Client Info		17 Apr 2024	04 Nov 2022	---
Machine Age	hrs	Client Info		1863	1397	---
Oil Age	hrs	Client Info		0	0	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	N/A	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	498	87	---
Iron	ppm	ASTM D5185m	>750	826	308	---
Chromium	ppm	ASTM D5185m	>9	14	4	---
Nickel	ppm	ASTM D5185m	>10	3	0	---
Titanium	ppm	ASTM D5185m		4	1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	39	5	---
Lead	ppm	ASTM D5185m	>15	1	0	---
Copper	ppm	ASTM D5185m	>40	5	6	---
Tin	ppm	ASTM D5185m	>10	<1	0	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

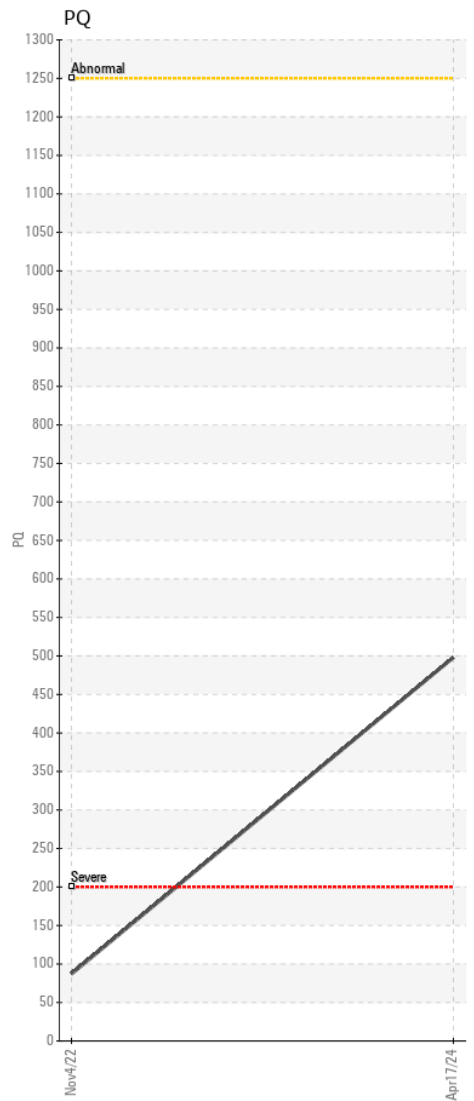
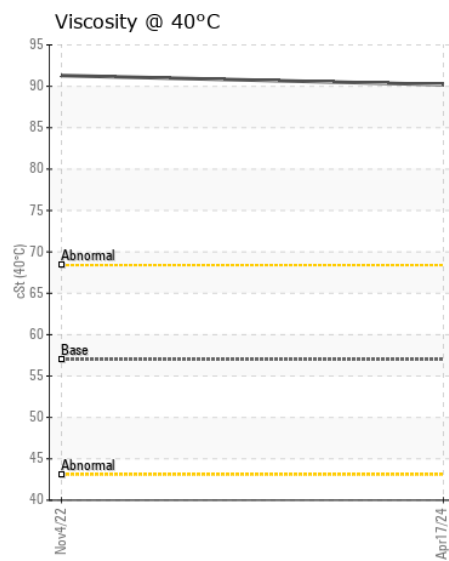
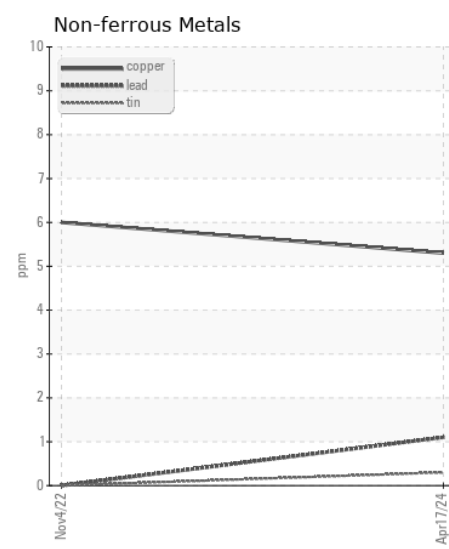
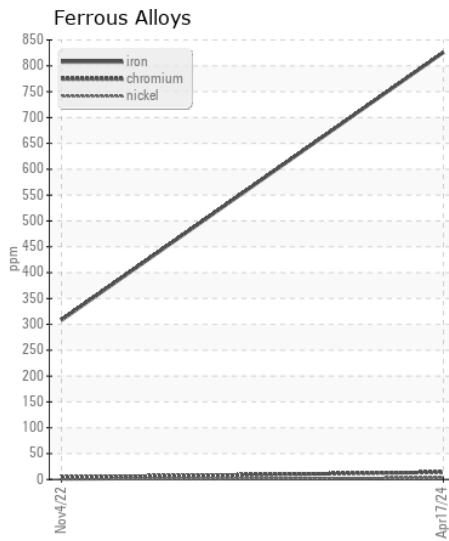
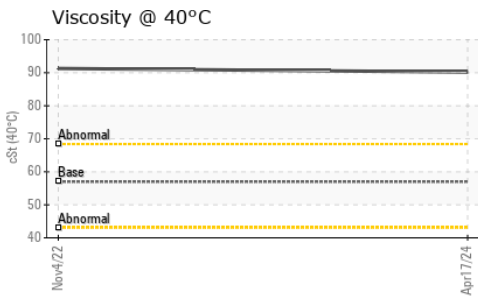
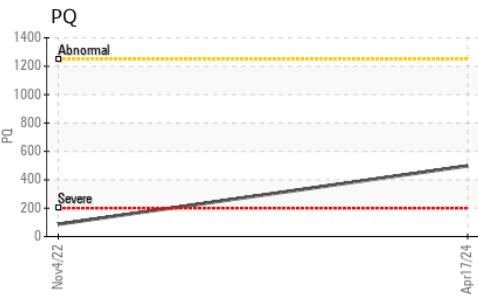
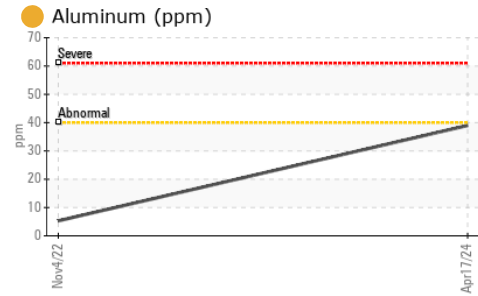
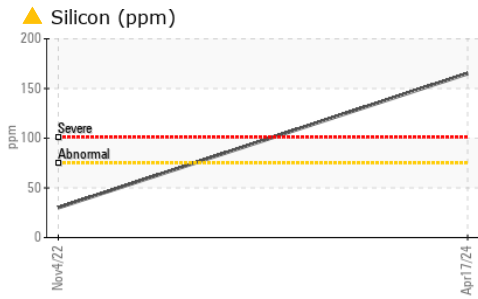
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 165	30	---
Potassium	ppm	ASTM D5185m	>20	11	5	---
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

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

Sodium	ppm	ASTM D5185m	>51	<1	0	---
Boron	ppm	ASTM D5185m	6	18	14	---
Barium	ppm	ASTM D5185m	0	16	0	---
Molybdenum	ppm	ASTM D5185m	0	18	18	---
Manganese	ppm	ASTM D5185m		11	4	---
Magnesium	ppm	ASTM D5185m	145	11	12	---
Calcium	ppm	ASTM D5185m	3570	3385	3769	---
Phosphorus	ppm	ASTM D5185m	1290	553	550	---
Zinc	ppm	ASTM D5185m	1640	688	750	---
Sulfur	ppm	ASTM D5185m		3100	2941	---
Visc @ 40°C	cSt	ASTM D445	57.0	90.2	91.3	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214275 **Received** : 18 Apr 2024
Lab Number : 06153451 **Tested** : 19 Apr 2024
Unique Number : 10983529 **Diagnosed** : 22 Apr 2024 - Angela Borella
Test Package : CONST (Additional Tests: PQ)

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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)