



WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 35G 1FF035GXJJKK285795
 Component
Right 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		JR0214276	JR0153425	---
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	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	488	228	---
Iron	ppm	ASTM D5185m	>750	846	484	---
Chromium	ppm	ASTM D5185m	>9	14	8	---
Nickel	ppm	ASTM D5185m	>10	3	0	---
Titanium	ppm	ASTM D5185m		4	3	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>40	39	31	---
Lead	ppm	ASTM D5185m	>15	1	0	---
Copper	ppm	ASTM D5185m	>40	7	4	---
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

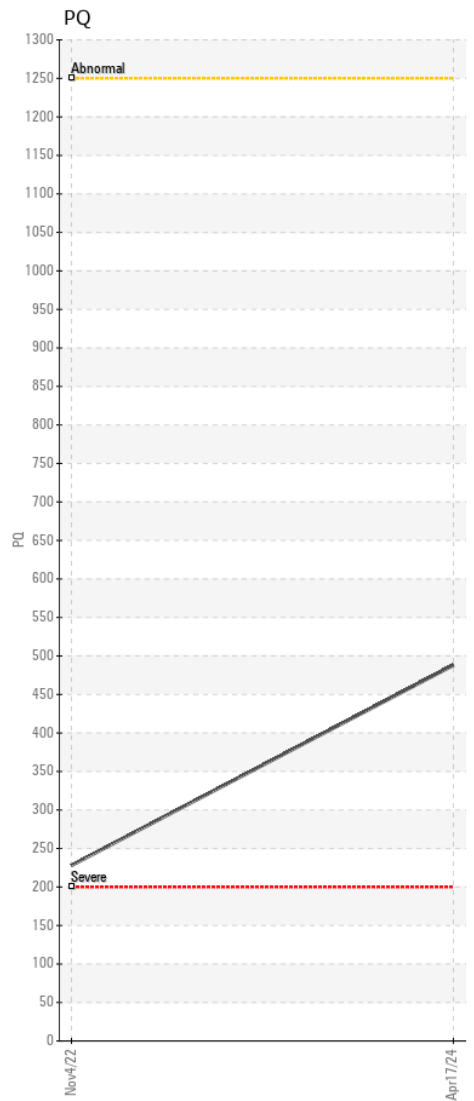
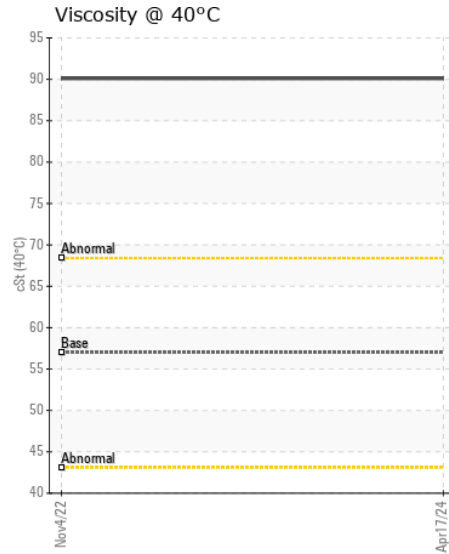
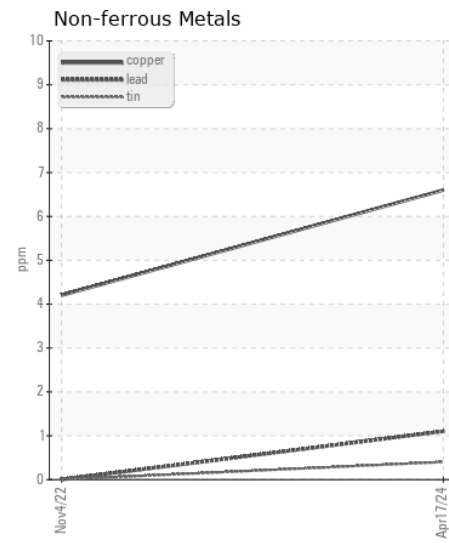
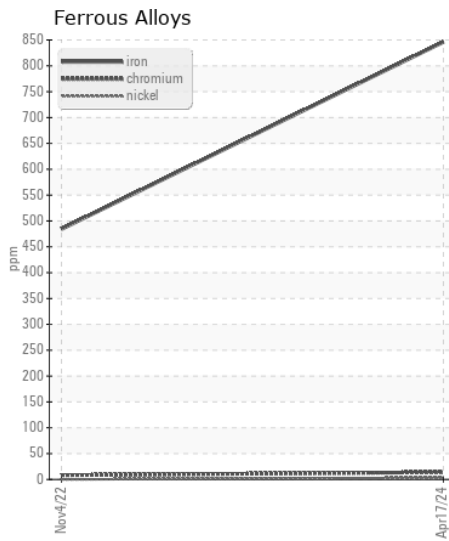
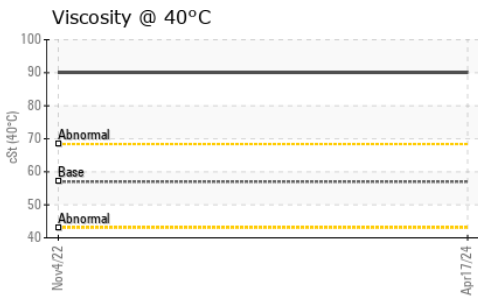
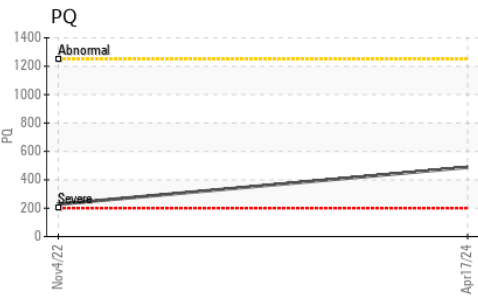
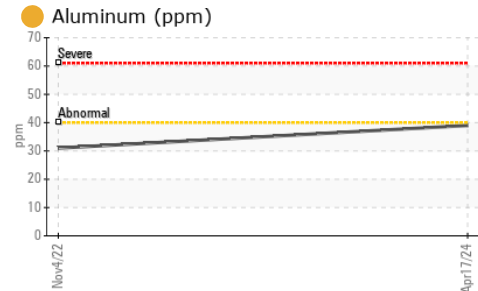
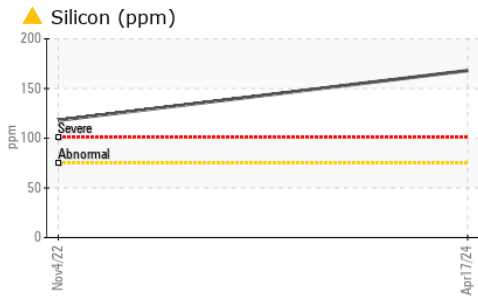
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m	>75	▲ 168	▲ 118	---
Potassium	ppm	ASTM D5185m	>20	12	10	---
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	15	---
Barium	ppm	ASTM D5185m	0	15	2	---
Molybdenum	ppm	ASTM D5185m	0	18	18	---
Manganese	ppm	ASTM D5185m		11	7	---
Magnesium	ppm	ASTM D5185m	145	11	11	---
Calcium	ppm	ASTM D5185m	3570	3465	3783	---
Phosphorus	ppm	ASTM D5185m	1290	562	562	---
Zinc	ppm	ASTM D5185m	1640	709	750	---
Sulfur	ppm	ASTM D5185m		2686	2969	---
Visc @ 40°C	cSt	ASTM D445	57.0	90.1	90.1	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0214276 **Received** : 18 Apr 2024
Lab Number : 06153452 **Tested** : 19 Apr 2024
Unique Number : 10983530 **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)