



OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
{unassigned}
Machine Id
JOHN DEERE 35G 1FF035GXKKK287092
Component
Left Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (20 Oz)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor. Please note that this is a corrected copy for laboratory data updates.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress. There is a light concentration of water present in the oil.

FLUID CONDITION

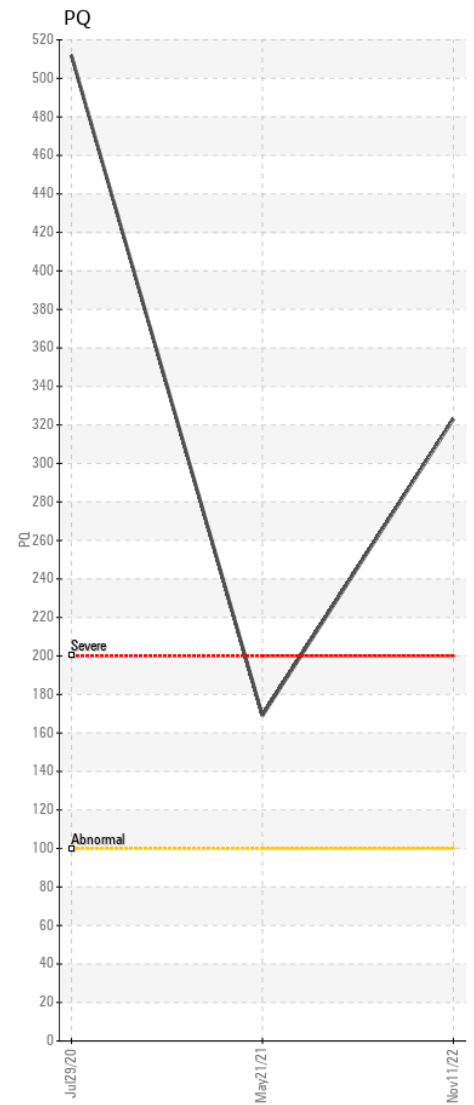
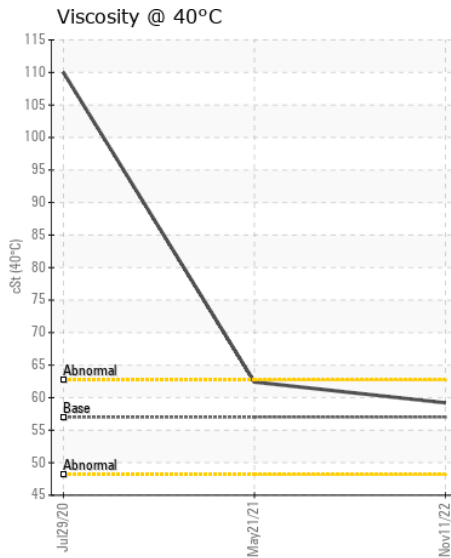
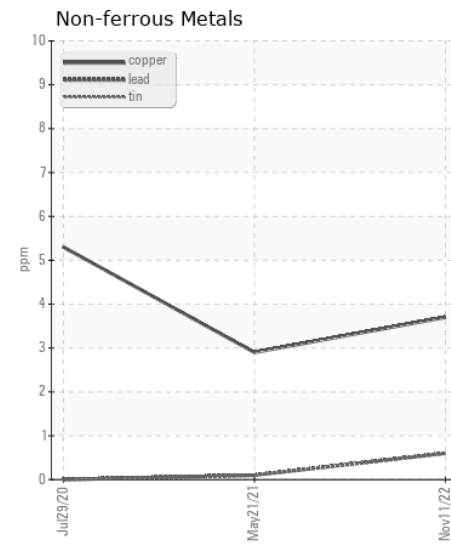
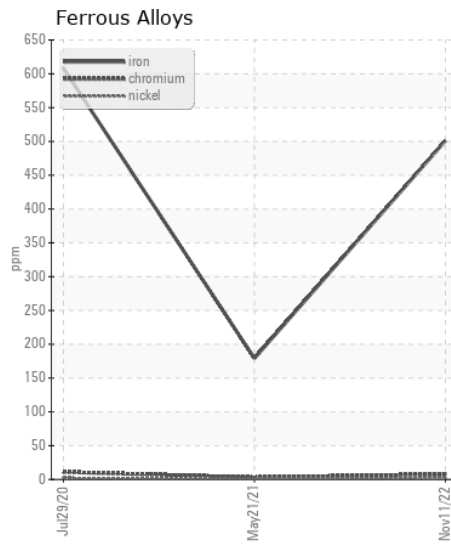
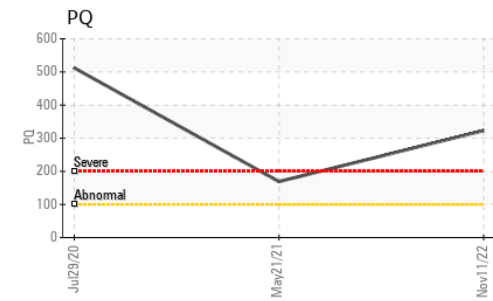
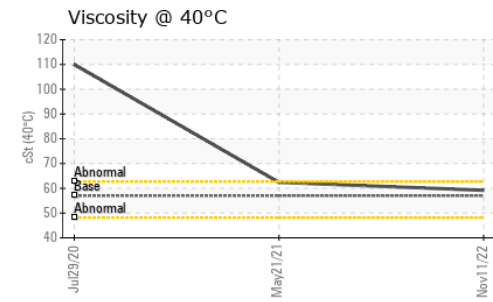
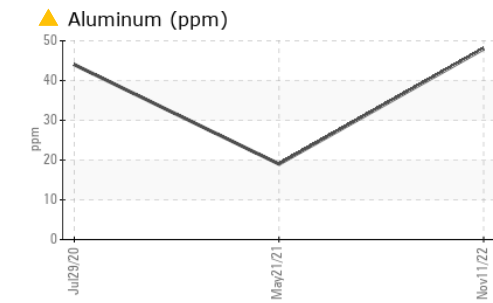
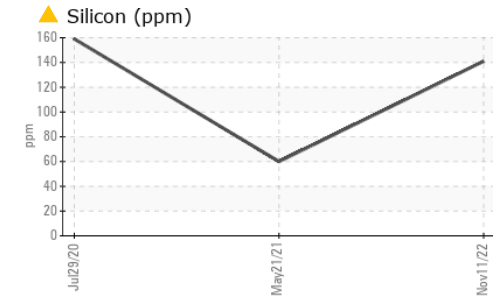
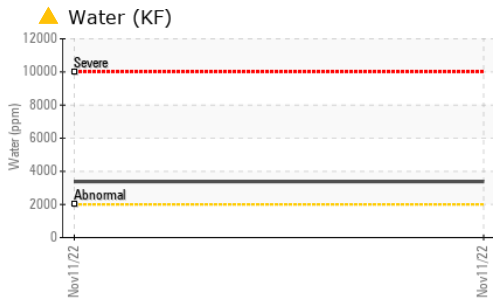
Confirm oil type. The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0036634	LEC0018665	LEC0012810
Sample Date		Client Info		11 Nov 2022	21 May 2021	29 Jul 2020
Machine Age	hrs	Client Info		1442	961	491
Oil Age	hrs	Client Info		481	470	491
Filter Age	hrs	Client Info		0	470	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	ATTENTION	ABNORMAL

PQ		ASTM D8184		323	169	512
Iron	ppm	ASTM D5185m	>1250	501	179	608
Chromium	ppm	ASTM D5185m	>10	8	3	11
Nickel	ppm	ASTM D5185m	>10	2	1	2
Titanium	ppm	ASTM D5185m		3	1	4
Silver	ppm	ASTM D5185m		0	<1	0
Aluminum	ppm	ASTM D5185m		▲ 48	▲ 19	▲ 44
Lead	ppm	ASTM D5185m		<1	<1	0
Copper	ppm	ASTM D5185m		4	3	5
Tin	ppm	ASTM D5185m		<1	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	0
White Metal	scalar	*Visual	NONE	VLITE	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		▲ 141	▲ 60	▲ 159
Potassium	ppm	ASTM D5185m	>20	11	6	17
Water	%	ASTM D6304	>0.2	▲ 0.338	---	---
ppm Water	ppm	ASTM D6304	>2000	▲ 3380	---	---
Silt	scalar	*Visual	NONE	NONE	LIGHT	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		2	2	4
Boron	ppm	ASTM D5185m	6	10	19	14
Barium	ppm	ASTM D5185m	0	0	3	20
Molybdenum	ppm	ASTM D5185m	0	6	13	12
Manganese	ppm	ASTM D5185m		6	2	8
Magnesium	ppm	ASTM D5185m	145	114	118	15
Calcium	ppm	ASTM D5185m	3570	3341	3435	3818
Phosphorus	ppm	ASTM D5185m	1290	965	938	577
Zinc	ppm	ASTM D5185m	1640	1187	1134	665
Sulfur	ppm	ASTM D5185m		3989	2962	1991
Visc @ 40°C	cSt	ASTM D445	57.0	59.2	62.4	110



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0036634 **Received** : 15 Nov 2022
Lab Number : 05694285 **Tested** : 17 Nov 2022
Unique Number : 10218858 **Diagnosed** : 17 Nov 2022 - Jonathan Hester
Test Package : CONST (Additional Tests: KF, PQ)

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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