



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Machine Id
JOHN DEERE 250G 1FF250GXLKF611311
 Component
Right Final Drive
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check for the source of water entry. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

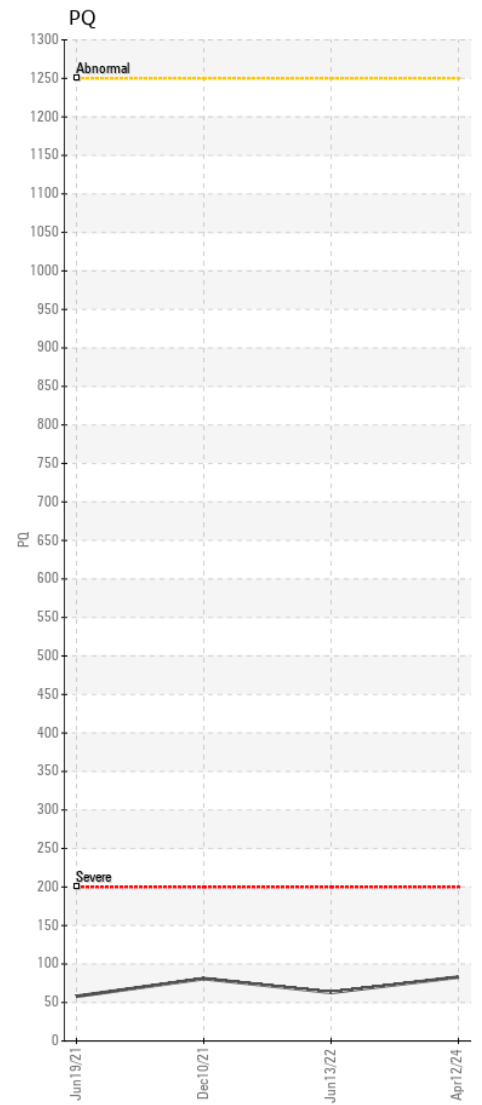
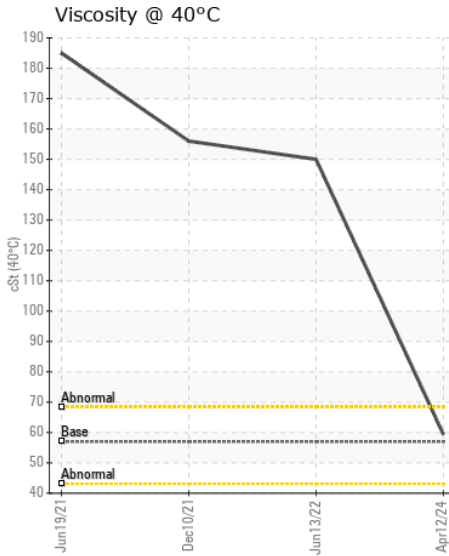
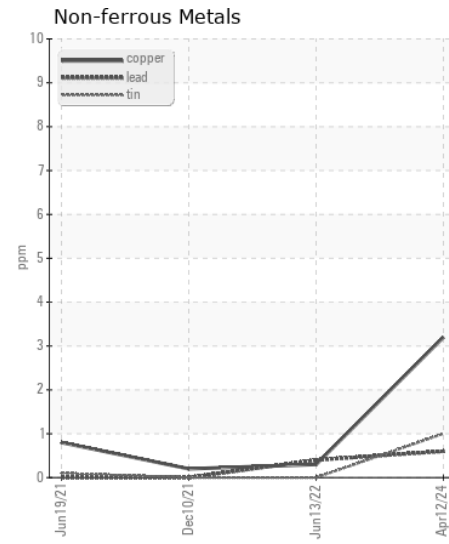
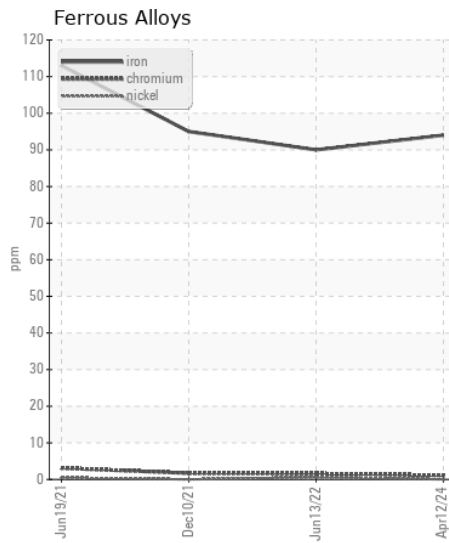
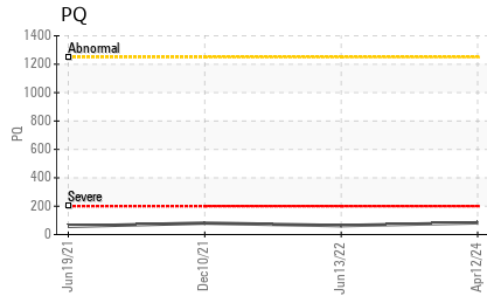
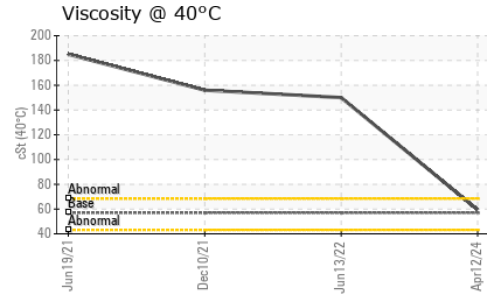
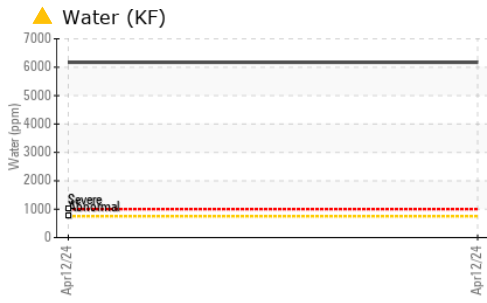
CONTAMINATION

Appearance is hazy. There is a moderate concentration of water present in the oil.

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		LEC0032256	LEC0032252	LEC0024794
Sample Date		Client Info		12 Apr 2024	13 Jun 2022	10 Dec 2021
Machine Age	hrs	Client Info		4000	2000	1500
Oil Age	hrs	Client Info		1000	500	500
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL
PQ		ASTM D8184	>1250	83	63	81
Iron	ppm	ASTM D5185m	>750	94	90	95
Chromium	ppm	ASTM D5185m	>9	1	2	2
Nickel	ppm	ASTM D5185m	>10	0	<1	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	2	0
Aluminum	ppm	ASTM D5185m	>40	21	13	10
Lead	ppm	ASTM D5185m	>15	<1	<1	0
Copper	ppm	ASTM D5185m	>40	3	<1	<1
Tin	ppm	ASTM D5185m	>10	1	0	0
Vanadium	ppm	ASTM D5185m		<1	0	0
White Metal	scalar	*Visual	NONE	NONE	LIGHT	LIGHT
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>75	57	32	30
Potassium	ppm	ASTM D5185m	>20	3	2	1
Water	%	ASTM D6304	>0.075	▲ 0.617	---	---
ppm Water	ppm	ASTM D6304	>750	▲ 6170	---	---
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	● HAZY	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.075	▲ 0.2%	NEG	NEG
Sodium	ppm	ASTM D5185m	>51	2	2	0
Boron	ppm	ASTM D5185m	6	3	9	15
Barium	ppm	ASTM D5185m	0	0	0	3
Molybdenum	ppm	ASTM D5185m	0	<1	<1	<1
Manganese	ppm	ASTM D5185m		1	2	2
Magnesium	ppm	ASTM D5185m	145	87	2	1
Calcium	ppm	ASTM D5185m	3570	3228	19	24
Phosphorus	ppm	ASTM D5185m	1290	953	1815	348
Zinc	ppm	ASTM D5185m	1640	1031	7	12
Sulfur	ppm	ASTM D5185m		3935	23987	15877
Visc @ 40°C	cSt	ASTM D445	57.0	59.4	150	156



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0032256 **Received** : 19 Apr 2024
Lab Number : 06154720 **Tested** : 23 Apr 2024
Unique Number : 10990143 **Diagnosed** : 23 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: KF, PQ)

MA HESTON INC
 1131 PLEASANT VALLEY RD
 FAIRMONT, WV
 US 26554
 Contact: HERB STEVENS
 hestevens@ma.rr.com

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)

T:
 F: (304)363-7612