



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 9 - Marietta [139807]
Machine Id
1DW624KTAJF685986
Component
Front Axle
Fluid
JOHN DEERE HY-GARD HYD/TRANS (6 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0040319	LEC0036906	LEC0033060
Sample Date		Client Info		05 Jun 2023	21 Feb 2023	21 Oct 2022
Machine Age	hrs	Client Info		5133	4676	4150
Oil Age	hrs	Client Info		983	526	2009
Filter Age	hrs	Client Info		983	526	4150
Oil Changed		Client Info		Not Changed	Not Changed	Changed
Filter Changed		Client Info		Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	16	8
Iron	ppm	ASTM D5185m	>750	10	11	46
Chromium	ppm	ASTM D5185m	>11	<1	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	0	1	2
Lead	ppm	ASTM D5185m	>49	21	19	67
Copper	ppm	ASTM D5185m	>101	4	4	14
Tin	ppm	ASTM D5185m	>10	<1	<1	1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

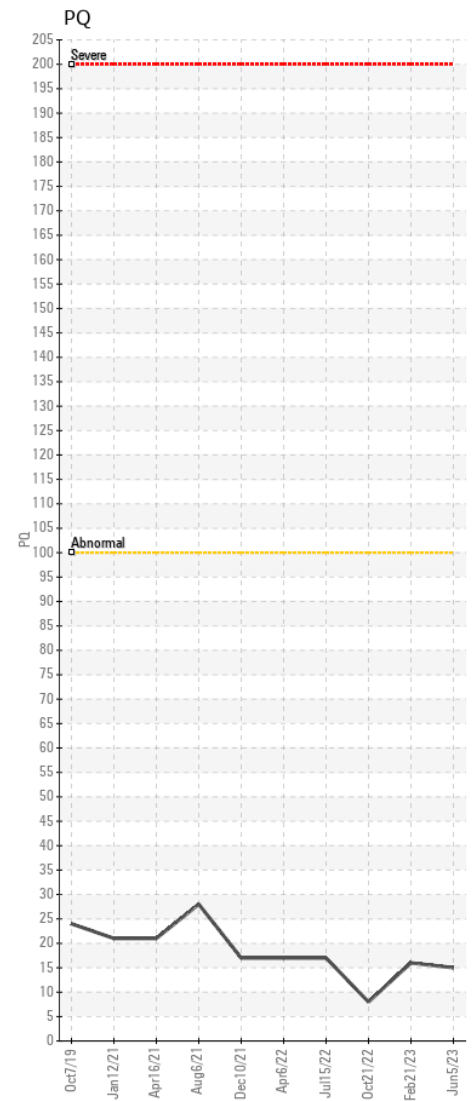
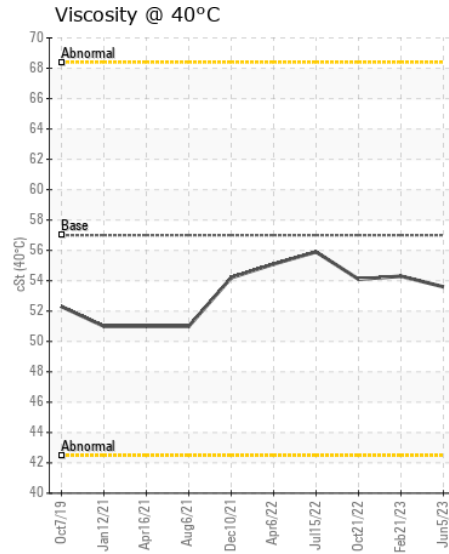
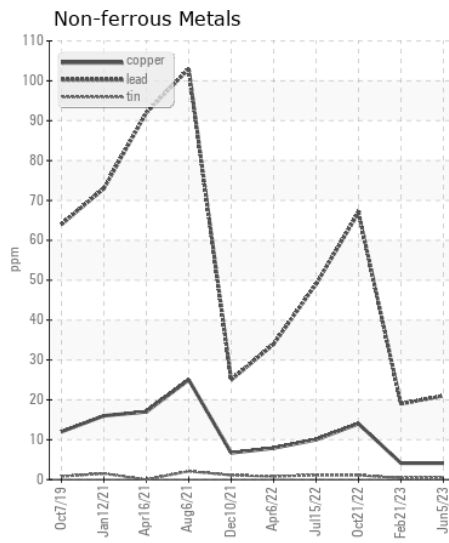
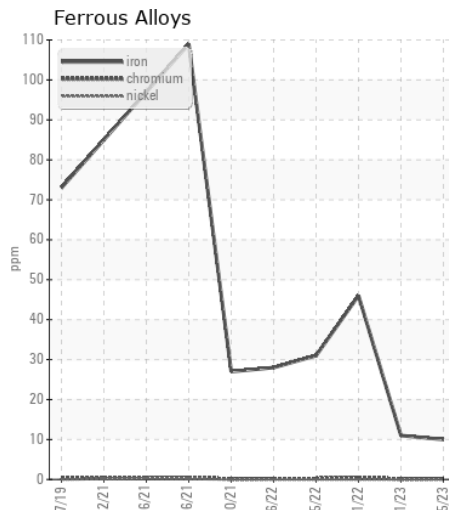
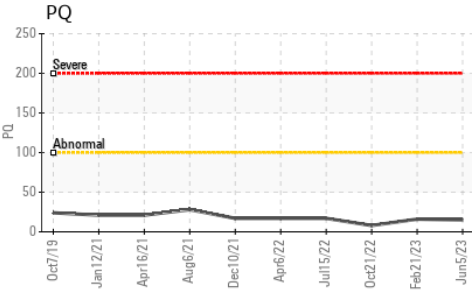
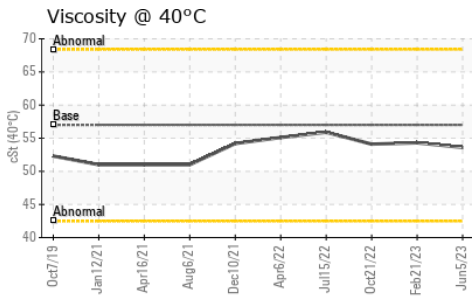
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	6	5	8
Potassium	ppm	ASTM D5185m	>20	<1	0	3
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	LIGHT
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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	2	2	<1
Boron	ppm	ASTM D5185m	6	5	6	28
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	4	4	20
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	145	109	107	140
Calcium	ppm	ASTM D5185m	3570	3497	3517	3358
Phosphorus	ppm	ASTM D5185m	1290	1032	1005	1032
Zinc	ppm	ASTM D5185m	1640	1281	1252	1210
Sulfur	ppm	ASTM D5185m		4206	4250	4298
Visc @ 40°C	cSt	ASTM D445	57.0	53.6	54.3	54.1



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0040319 **Received** : 08 Jun 2023
Lab Number : 05868858 **Tested** : 09 Jun 2023
Unique Number : 10508642 **Diagnosed** : 12 Jun 2023 - Sean Felton
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)