



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Store 3 - Norton

Machine Id
JOHN DEERE D11 (S/N F342651)

Component
Transmission (Manual)

Fluid
JOHN DEERE HYDRAU (--- GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0049280	LEC0042545	LEC0039674
Sample Date		Client Info		03 Jun 2024	11 Jul 2023	08 Mar 2023
Machine Age	hrs	Client Info		4579	4152	3652
Oil Age	hrs	Client Info		4579	4152	3652
Filter Age	hrs	Client Info		1000	1000	1000
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	22	12	17
Iron	ppm	ASTM D5185m	>200	23	21	27
Chromium	ppm	ASTM D5185m	>5	0	4	0
Nickel	ppm	ASTM D5185m	>5	<1	<1	0
Titanium	ppm	ASTM D5185m		0	<1	0
Silver	ppm	ASTM D5185m	>7	0	0	0
Aluminum	ppm	ASTM D5185m	>25	<1	8	<1
Lead	ppm	ASTM D5185m	>45	0	1	<1
Copper	ppm	ASTM D5185m	>225	11	5	15
Tin	ppm	ASTM D5185m	>10	0	<1	0
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

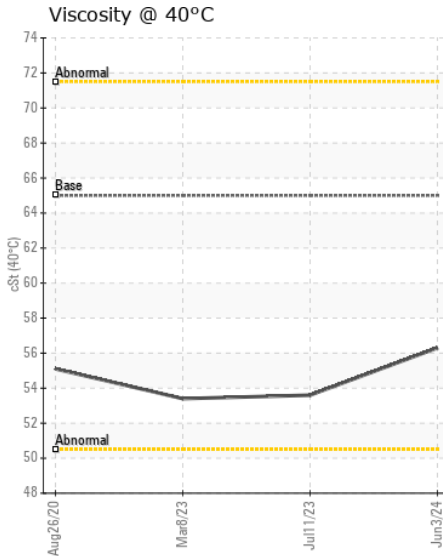
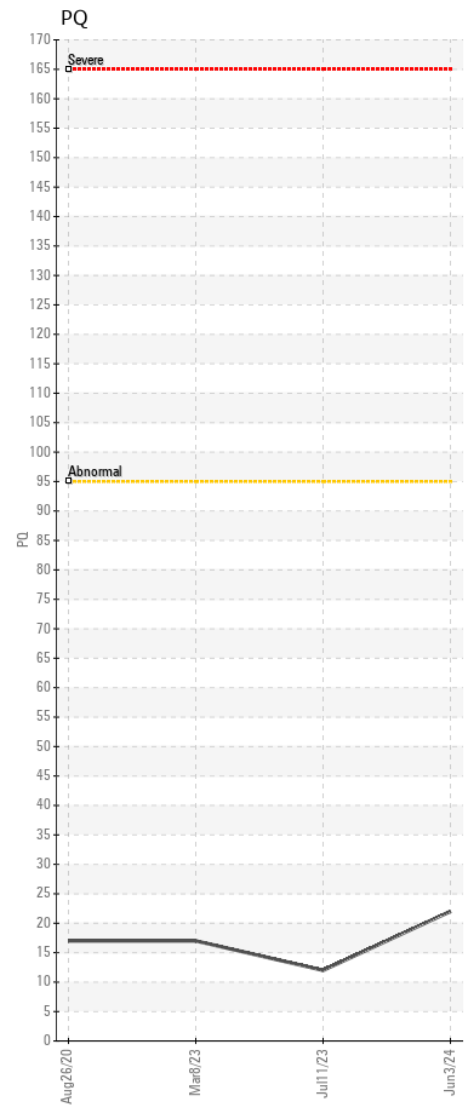
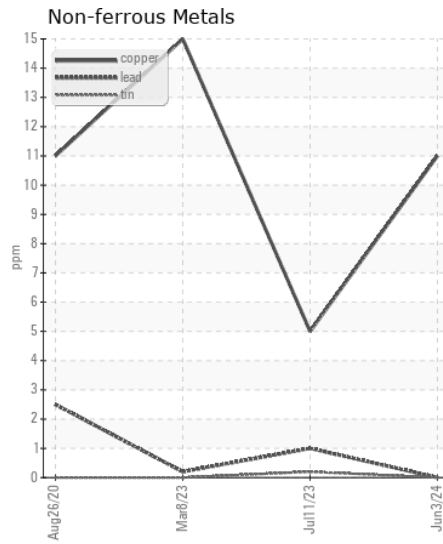
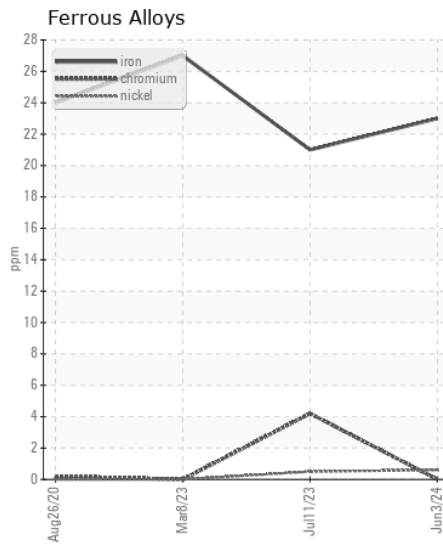
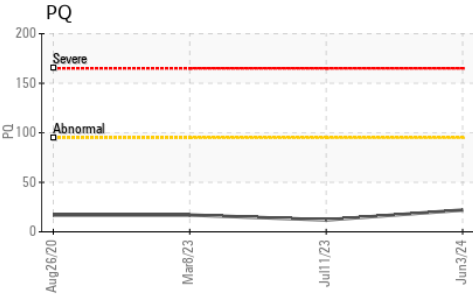
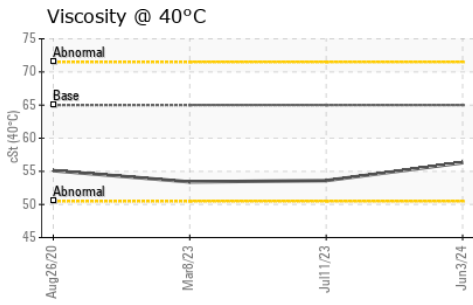
There is no indication of any contamination in the fluid.

Silicon	ppm	ASTM D5185m	>125	2	8	1
Potassium	ppm	ASTM D5185m	>20	1	4	0
Water		WC Method	>0.1	NEG	NEG	NEG
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	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 fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		1	<1	2
Boron	ppm	ASTM D5185m		9	2	0
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		10	1	<1
Manganese	ppm	ASTM D5185m		<1	<1	<1
Magnesium	ppm	ASTM D5185m		5	4	0
Calcium	ppm	ASTM D5185m	87	331	86	101
Phosphorus	ppm	ASTM D5185m	727	665	536	499
Zinc	ppm	ASTM D5185m	900	841	774	647
Sulfur	ppm	ASTM D5185m	1500	2147	1743	1588
Visc @ 40°C	cSt	ASTM D445	65	56.3	53.6	53.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0049280 **Received** : 03 Jul 2024
Lab Number : 06227703 **Tested** : 05 Jul 2024
Unique Number : 11111196 **Diagnosed** : 05 Jul 2024 - Wes Davis
Test Package : CONST (Additional Tests: 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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