



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL



Area
Store 3 - Norton
Machine Id
JOHN DEERE 540G 1DW540GXPDC656979
Component
Transmission (Manual)
Fluid
JOHN DEERE HY-GARD HYD/TRANS (8 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050103	LEC0038461	LEC0025939
Sample Date		Client Info		07 May 2024	31 Jan 2023	09 Nov 2021
Machine Age	hrs	Client Info		4444	4020	3544
Oil Age	hrs	Client Info		424	2009	1533
Filter Age	hrs	Client Info		424	2009	1533
Oil Changed		Client Info		Not Changed	Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>95	34	31	12
Iron	ppm	ASTM D5185m	>200	37	70	<1
Chromium	ppm	ASTM D5185m	>5	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	<1
Silver	ppm	ASTM D5185m	>7	0	<1	1
Aluminum	ppm	ASTM D5185m	>25	1	2	1
Lead	ppm	ASTM D5185m	>45	2	2	<1
Copper	ppm	ASTM D5185m	>225	4	6	<1
Tin	ppm	ASTM D5185m	>10	1	<1	0
Vanadium	ppm	ASTM D5185m		<1	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.

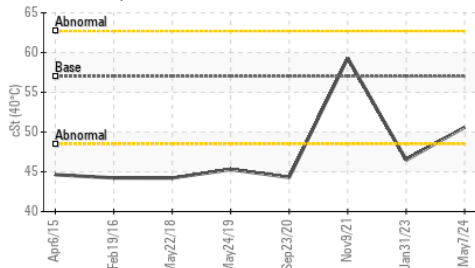
Silicon	ppm	ASTM D5185m	>125	6	6	4
Potassium	ppm	ASTM D5185m	>20	3	0	2
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	NEG	NEG	NEG

FLUID CONDITION

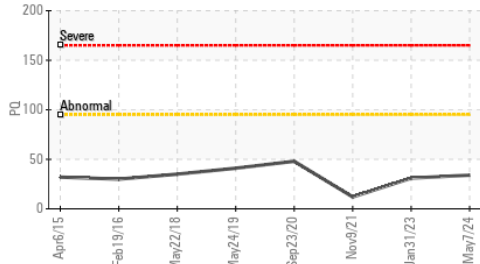
The condition of the fluid is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		0	3	0
Boron	ppm	ASTM D5185m	6	4	0	3
Barium	ppm	ASTM D5185m	0	0	0	<1
Molybdenum	ppm	ASTM D5185m	0	1	<1	<1
Manganese	ppm	ASTM D5185m		3	5	<1
Magnesium	ppm	ASTM D5185m	145	89	95	101
Calcium	ppm	ASTM D5185m	3570	3171	3377	3369
Phosphorus	ppm	ASTM D5185m	1290	1002	948	980
Zinc	ppm	ASTM D5185m	1640	1143	1129	1137
Sulfur	ppm	ASTM D5185m		3656	3987	2862
Visc @ 40°C	cSt	ASTM D445	57.0	50.6	46.5	59.3

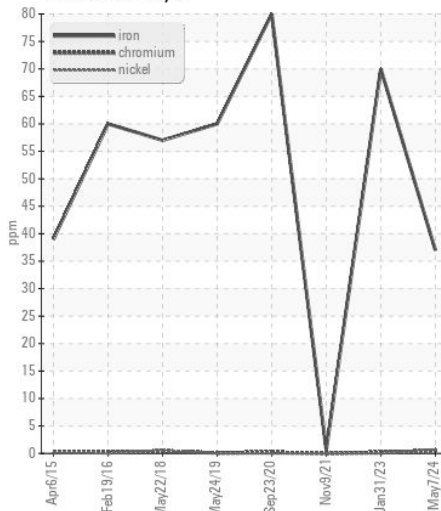
Viscosity @ 40°C



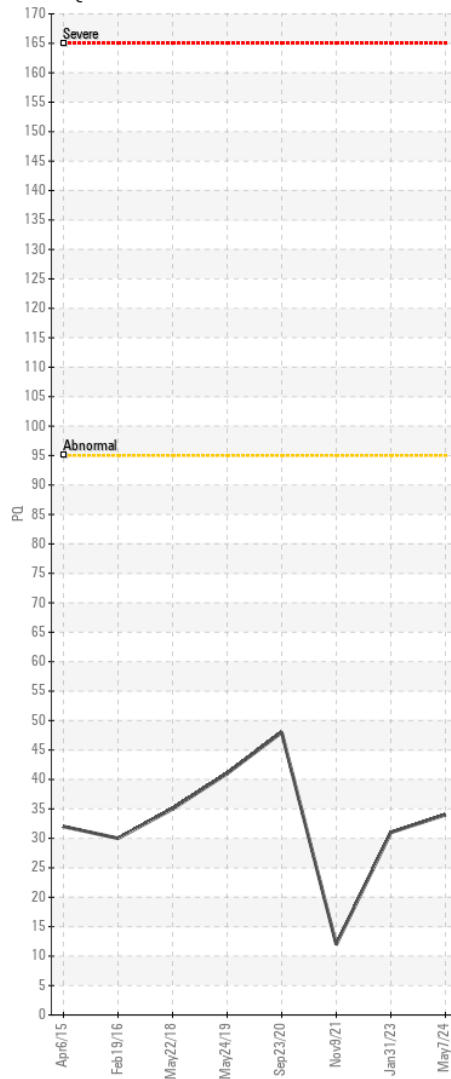
PQ



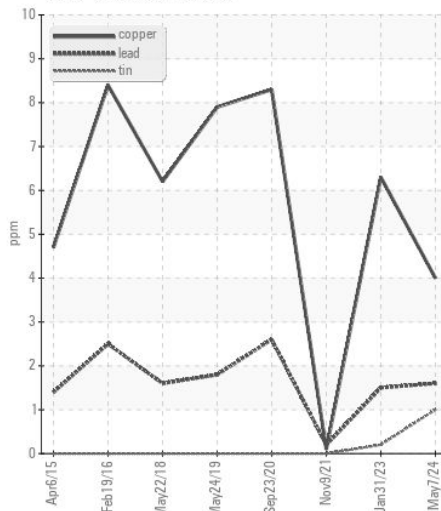
Ferrous Alloys



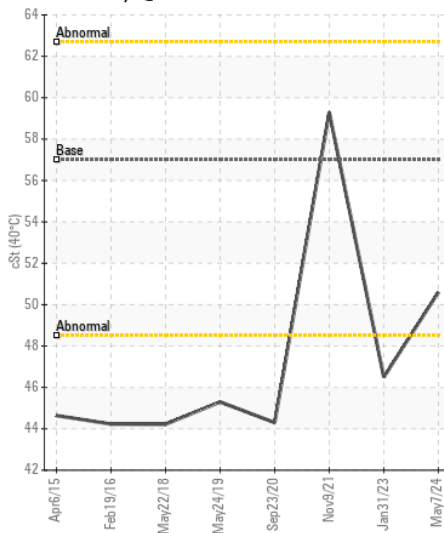
PQ



Non-ferrous Metals



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050103 **Received** : 09 May 2024
Lab Number : 06174099 **Tested** : 10 May 2024
Unique Number : 11020152 **Diagnosed** : 10 May 2024 - Wes Davis
Test Package : CONST (Additional Tests: PQ)

RL LOGGING
 217 CLAYPOOL HOLLOW RD
 BUCKHANNON, WV
 US 26201
 Contact: SERVICE MANAGER

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: