



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
Store 4 - Fairmont
Machine Id
JOHN DEERE 331G 1T0331GMCLF383265
Component
Right Final Drive
Fluid
JOHN DEERE HY-GARD HYD/TRANS (--- GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor. (Customer Sample Comment: CUSTOMER DROP OFF - NO RO#)

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0051061	LEC0048161	LEC0048162
Sample Date		Client Info		22 Jun 2024	29 Mar 2024	25 Feb 2024
Machine Age	hrs	Client Info		1372	1269	1264
Oil Age	hrs	Client Info		103	5	71
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	N/A
Sample Status				ABNORMAL	NORMAL	SEVERE

WEAR

All component wear rates are normal.

PQ		ASTM D8184	>1250	25	44	▲ 134
Iron	ppm	ASTM D5185m	>750	86	114	▲ 525
Chromium	ppm	ASTM D5185m	>9	<1	1	▲ 8
Nickel	ppm	ASTM D5185m	>10	0	<1	3
Titanium	ppm	ASTM D5185m		0	<1	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>40	4	9	● 43
Lead	ppm	ASTM D5185m	>15	0	0	<1
Copper	ppm	ASTM D5185m	>40	0	<1	<1
Tin	ppm	ASTM D5185m	>10	0	0	0
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

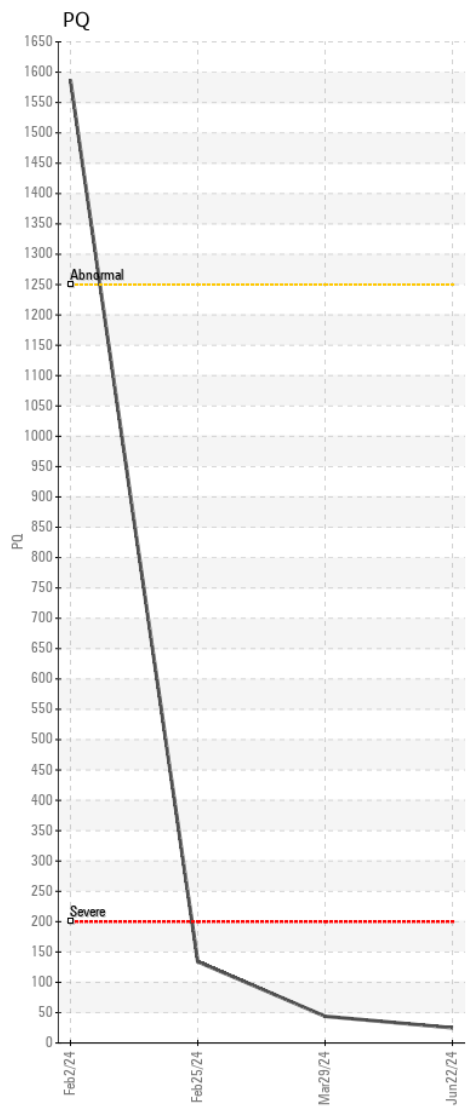
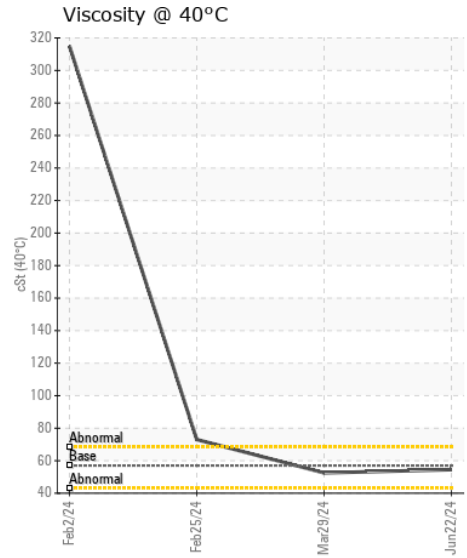
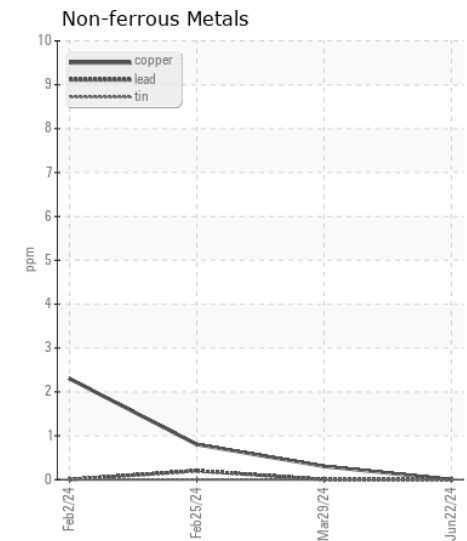
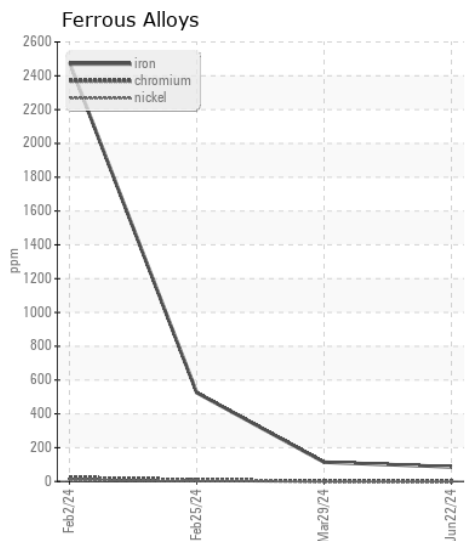
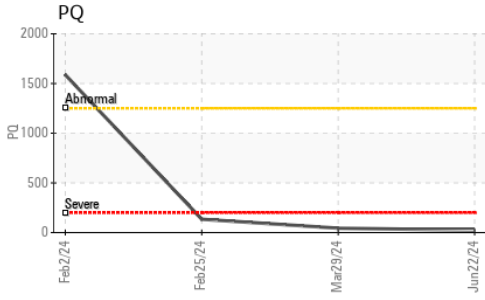
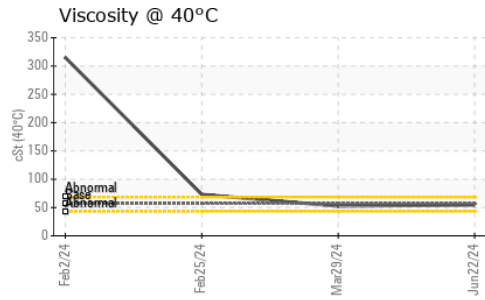
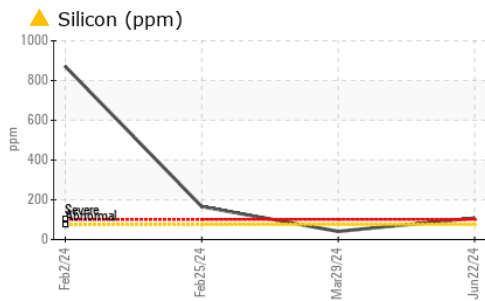
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>75	▲ 108	41	▲ 166
Potassium	ppm	ASTM D5185m	>20	1	4	23
Water		WC Method	>0.075	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	LIGHT	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	>0.075	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	<1	<1	3
Boron	ppm	ASTM D5185m	6	8	8	36
Barium	ppm	ASTM D5185m	0	<1	2	25
Molybdenum	ppm	ASTM D5185m	0	2	<1	2
Manganese	ppm	ASTM D5185m		<1	1	7
Magnesium	ppm	ASTM D5185m	145	110	88	85
Calcium	ppm	ASTM D5185m	3570	3528	3161	2691
Phosphorus	ppm	ASTM D5185m	1290	1038	827	955
Zinc	ppm	ASTM D5185m	1640	1238	1087	1032
Sulfur	ppm	ASTM D5185m		4429	4266	7760
Visc @ 40°C	cSt	ASTM D445	57.0	54.5	52.5	● 73.0



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0051061 **Received** : 26 Jun 2024
Lab Number : 06221504 **Tested** : 27 Jun 2024
Unique Number : 11099701 **Diagnosed** : 28 Jun 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.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)

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