



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area  
**Store 1 - Cowen [144365]**  
 Machine Id  
**JOHN DEERE 624P 1DW624PAJNLZ15097**  
 Component  
**Brake**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (10 Oz)**

**RECOMMENDATION**

The fluid 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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0044261	LEC0036921	---
Sample Date		Client Info		20 Oct 2023	12 May 2023	---
Machine Age	hrs	Client Info		2077	1069	---
Oil Age	hrs	Client Info		2077	1069	---
Filter Age	hrs	Client Info		2077	1069	---
Oil Changed		Client Info		Changed	Not Changed	---
Filter Changed		Client Info		Not Changed	Not Changed	---
Sample Status				ABNORMAL	NORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		65	36	---
Iron	ppm	ASTM D5185m	>350	133	84	---
Chromium	ppm	ASTM D5185m	>5	0	<1	---
Nickel	ppm	ASTM D5185m	>5	<1	<1	---
Titanium	ppm	ASTM D5185m		<1	0	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>8	4	<1	---
Lead	ppm	ASTM D5185m	>10	6	67	---
Copper	ppm	ASTM D5185m	>150	3	131	---
Tin	ppm	ASTM D5185m	>5	0	1	---
Vanadium	ppm	ASTM D5185m		<1	0	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

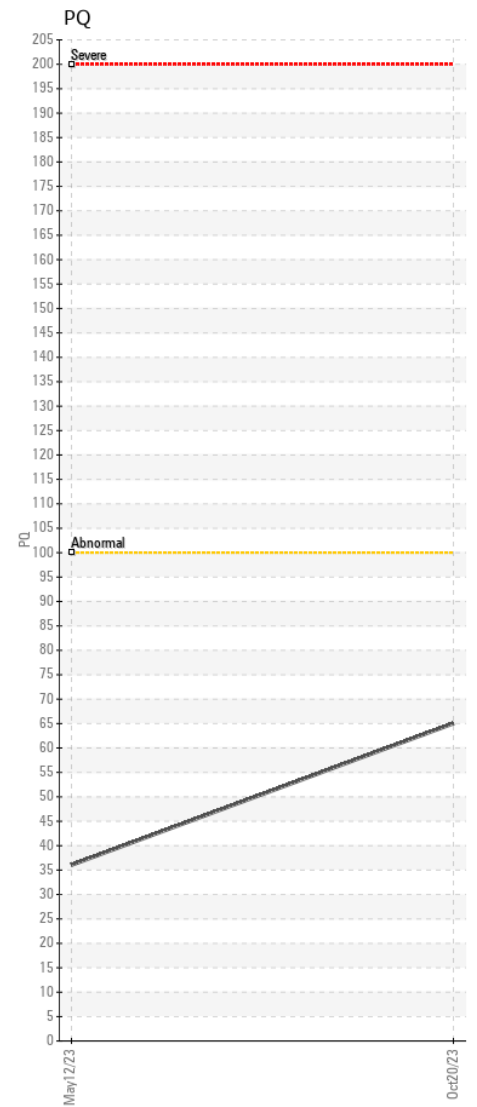
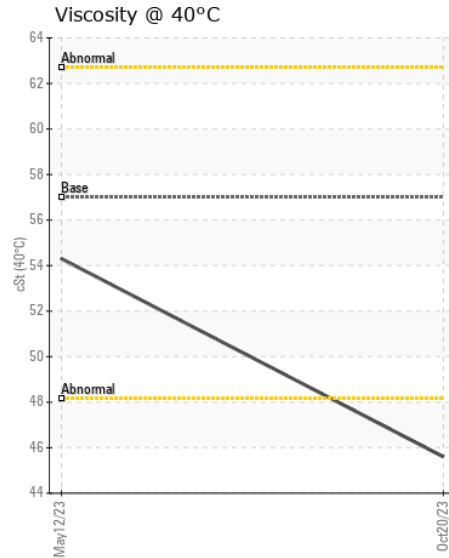
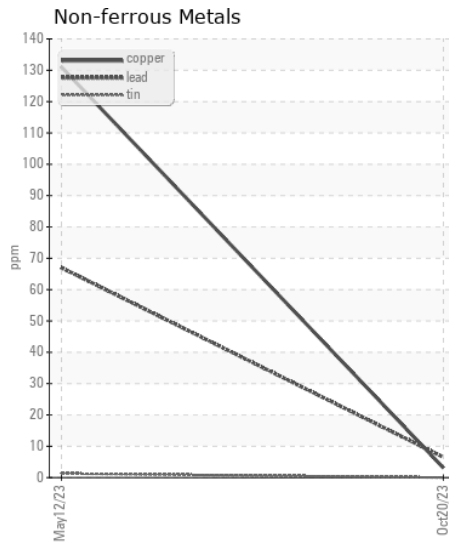
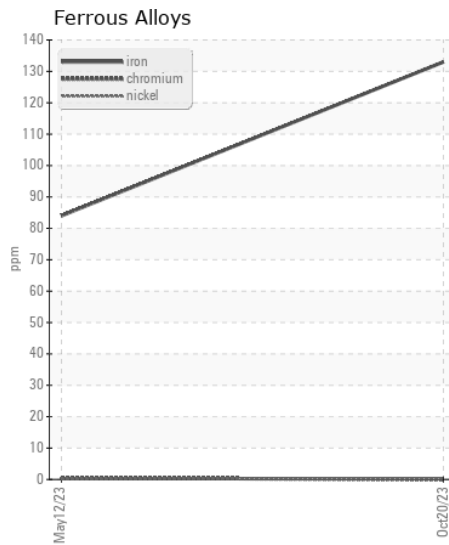
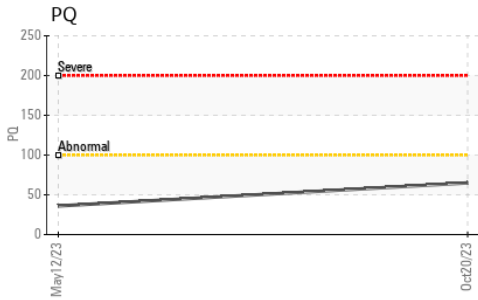
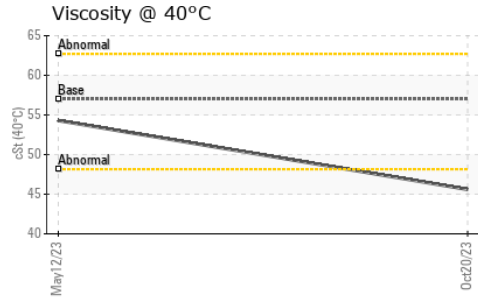
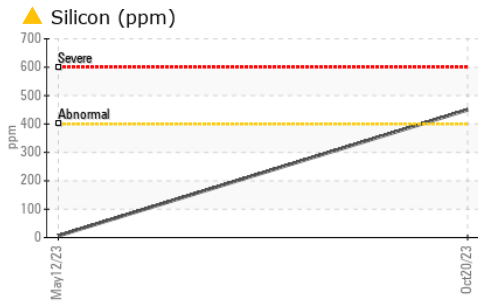
Elemental level of silicon (Si) above normal indicating ingress of seal material.

Silicon	ppm	ASTM D5185m	>400	▲ 450	6	---
Potassium	ppm	ASTM D5185m	>20	0	2	---
Water		WC Method	>0.2	NEG	NEG	---
Silt	scalar	*Visual	NONE	NONE	NONE	---
Debris	scalar	*Visual	NONE	NONE	NONE	---
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	---
Appearance	scalar	*Visual	NORML	NORML	NORML	---
Odor	scalar	*Visual	NORML	NORML	NORML	---
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m		3	6	---
Boron	ppm	ASTM D5185m	6	128	3	---
Barium	ppm	ASTM D5185m	0	<1	2	---
Molybdenum	ppm	ASTM D5185m	0	347	<1	---
Manganese	ppm	ASTM D5185m		3	2	---
Magnesium	ppm	ASTM D5185m	145	502	92	---
Calcium	ppm	ASTM D5185m	3570	1443	3402	---
Phosphorus	ppm	ASTM D5185m	1290	733	1014	---
Zinc	ppm	ASTM D5185m	1640	860	1239	---
Sulfur	ppm	ASTM D5185m		2376	4193	---
Visc @ 40°C	cSt	ASTM D445	57.0	45.6	54.3	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0044261 **Received** : 26 Oct 2023  
**Lab Number** : 05990661 **Tested** : 30 Oct 2023  
**Unique Number** : 10713323 **Diagnosed** : 30 Oct 2023 - Don Baldrige  
**Test Package** : CONST ( Additional Tests: PQ )

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

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