



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area  
**Store 2 - Beaver**  
 Machine Id  
**JOHN DEERE 460P 1DW460PACPF06217**  
 Component  
**Rear Axle**  
 Fluid  
**JOHN DEERE HY-GARD HYD/TRANS (18 GAL)**

**RECOMMENDATION**

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047316	LEC0040619	---
Sample Date		Client Info		04 Jan 2024	30 May 2023	---
Machine Age	hrs	Client Info		1036	495	---
Oil Age	hrs	Client Info		1036	495	---
Filter Age	hrs	Client Info		0	495	---
Oil Changed		Client Info		Not Changd	Not Changd	---
Filter Changed		Client Info		Not Changd	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

**WEAR**

All component wear rates are normal.

PQ		ASTM D8184		19	133	---
Iron	ppm	ASTM D5185m	>1501	22	▲ 2102	---
Chromium	ppm	ASTM D5185m	>11	0	▲ 42	---
Nickel	ppm	ASTM D5185m	>10	0	6	---
Titanium	ppm	ASTM D5185m		<1	1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	<1	22	---
Lead	ppm	ASTM D5185m	>51	4	<1	---
Copper	ppm	ASTM D5185m	>101	25	2	---
Tin	ppm	ASTM D5185m	>10	2	0	---
Vanadium	ppm	ASTM D5185m		0	<1	---
White Metal	scalar	*Visual	NONE	NONE	NONE	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

**CONTAMINATION**

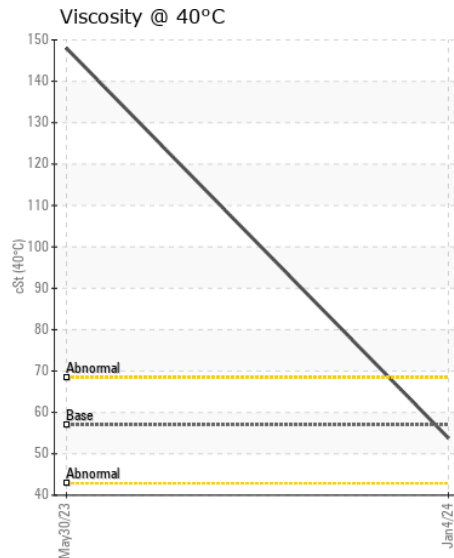
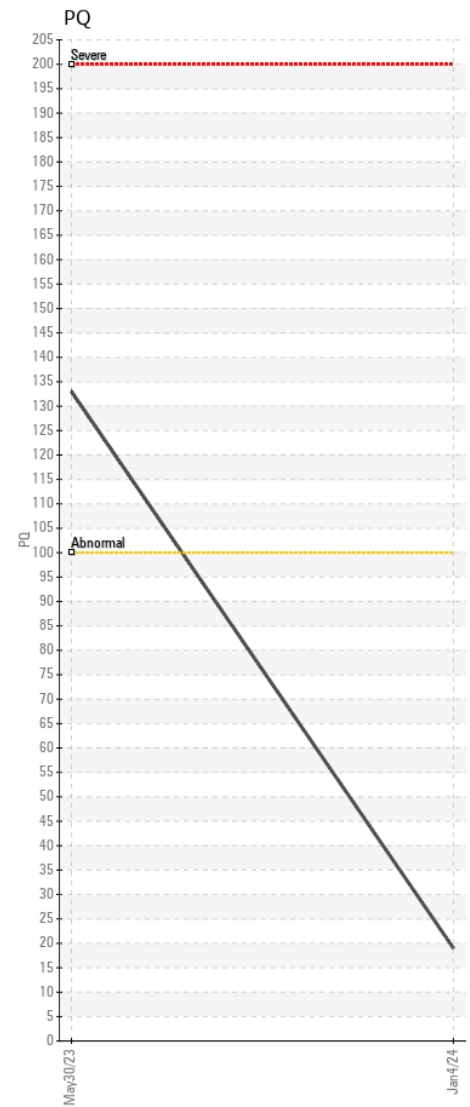
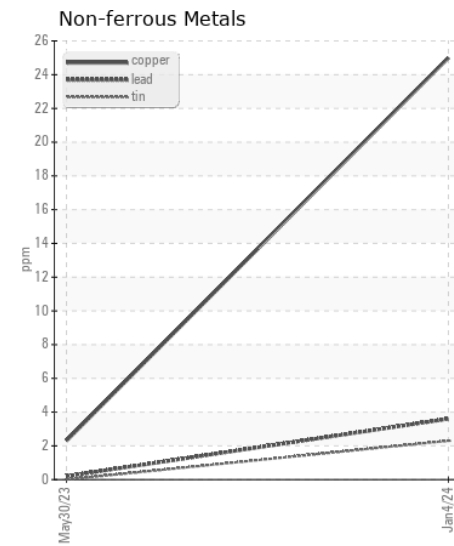
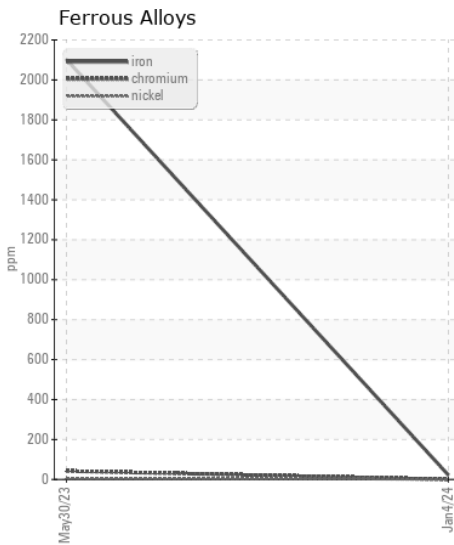
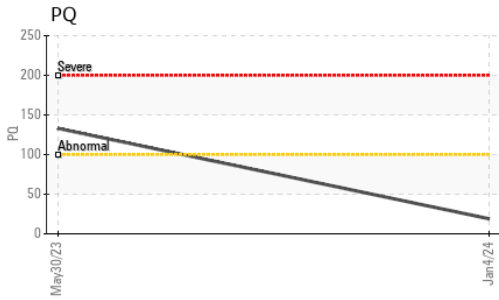
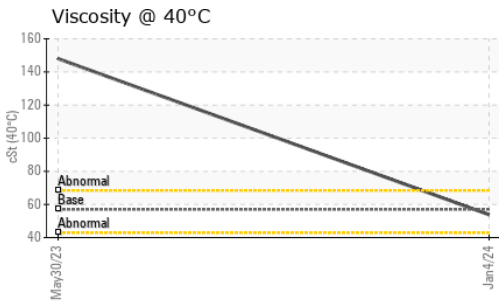
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	▲ 107	---
Potassium	ppm	ASTM D5185m	>20	0	45	---
Water		WC Method	>0.1	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	>0.1	NEG	NEG	---

**FLUID CONDITION**

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

Sodium	ppm	ASTM D5185m	>51	4	7	---
Boron	ppm	ASTM D5185m	6	3	4	---
Barium	ppm	ASTM D5185m	0	1	63	---
Molybdenum	ppm	ASTM D5185m	0	0	5	---
Manganese	ppm	ASTM D5185m		3	20	---
Magnesium	ppm	ASTM D5185m	145	110	5	---
Calcium	ppm	ASTM D5185m	3570	3466	17	---
Phosphorus	ppm	ASTM D5185m	1290	1063	273	---
Zinc	ppm	ASTM D5185m	1640	1260	23	---
Sulfur	ppm	ASTM D5185m		3563	18576	---
Visc @ 40°C	cSt	ASTM D445	57.0	53.8	▲ 148	---



Certificate L2367

**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : LEC0047316 **Received** : 09 Jan 2024  
**Lab Number** : 06055592 **Diagnosed** : 10 Jan 2024  
**Unique Number** : 10821541 **Diagnostician** : 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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