



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 2 - Beaver
 Machine Id
JOHN DEERE 460P 1DW460PACPF06217
 Component
Middle Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (16 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0047319	LEC0040618	---
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	NORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		21	19	---
Iron	ppm	ASTM D5185m	>1501	26	23	---
Chromium	ppm	ASTM D5185m	>11	0	0	---
Nickel	ppm	ASTM D5185m	>10	0	0	---
Titanium	ppm	ASTM D5185m		0	<1	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>21	<1	0	---
Lead	ppm	ASTM D5185m	>51	11	7	---
Copper	ppm	ASTM D5185m	>101	36	29	---
Tin	ppm	ASTM D5185m	>10	4	2	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	LIGHT	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

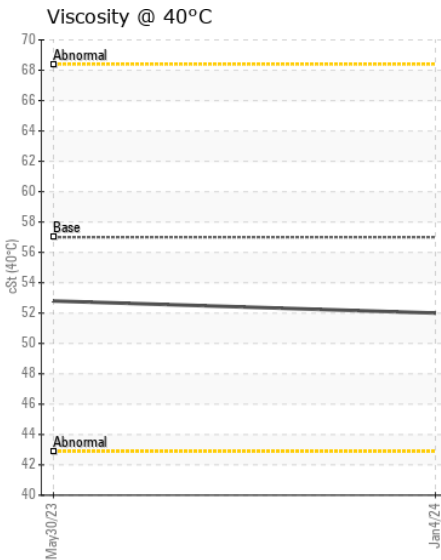
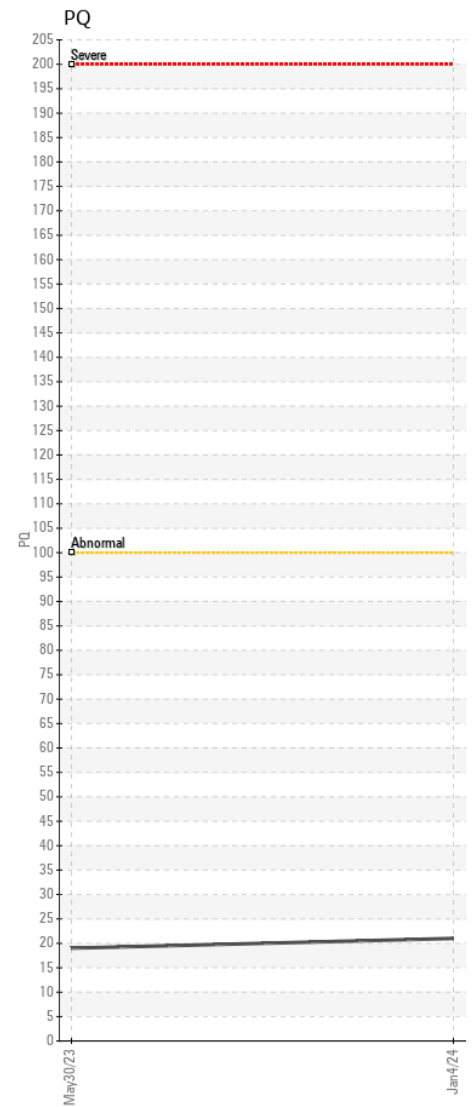
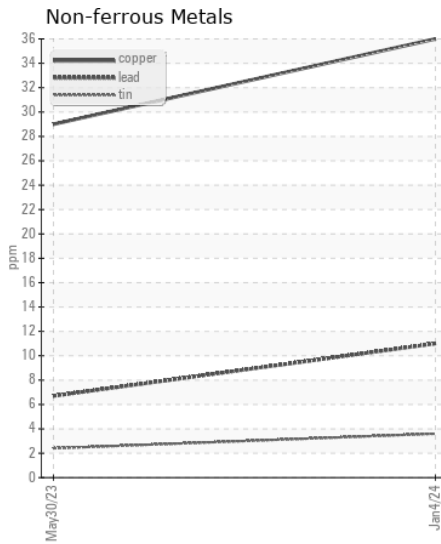
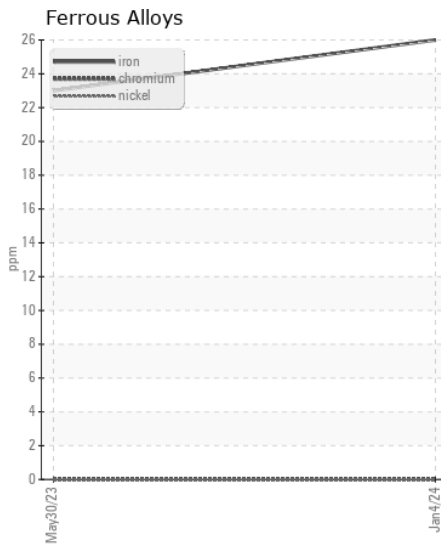
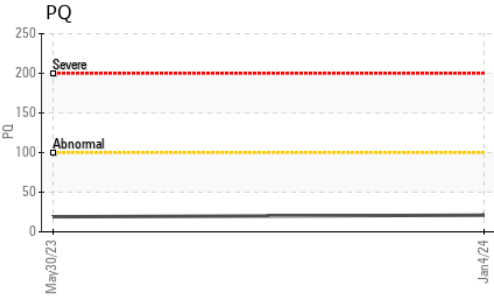
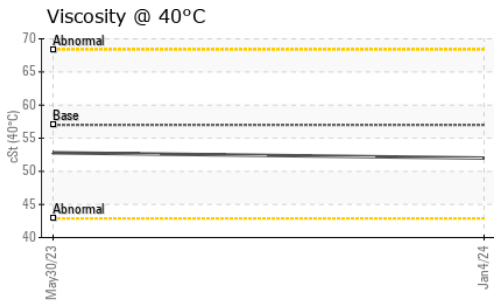
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	4	4	---
Potassium	ppm	ASTM D5185m	>20	0	3	---
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	0	---
Boron	ppm	ASTM D5185m	6	2	0	---
Barium	ppm	ASTM D5185m	0	3	0	---
Molybdenum	ppm	ASTM D5185m	0	0	<1	---
Manganese	ppm	ASTM D5185m		1	1	---
Magnesium	ppm	ASTM D5185m	145	99	98	---
Calcium	ppm	ASTM D5185m	3570	3354	3889	---
Phosphorus	ppm	ASTM D5185m	1290	1024	1073	---
Zinc	ppm	ASTM D5185m	1640	1211	1315	---
Sulfur	ppm	ASTM D5185m		3473	4051	---
Visc @ 40°C	cSt	ASTM D445	57.0	52.0	52.8	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0047319 **Recieved** : 09 Jan 2024
Lab Number : 06055593 **Diagnosed** : 10 Jan 2024
Unique Number : 10821542 **Diagnostician** : Wes Davis
Test Package : CONST (Additional Tests: PQ)

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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)