



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 1 - Cowen [137244]
 Machine Id
JOHN DEERE 624P 1DW624PACMLZ13219
 Component
Brake
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (10 Oz)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0036929	LEC0030127	---
Sample Date		Client Info		20 Mar 2023	25 Aug 2022	---
Machine Age	hrs	Client Info		2019	1012	---
Oil Age	hrs	Client Info		1007	1012	---
Filter Age	hrs	Client Info		2019	1012	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		Changed	Not Changd	---
Sample Status				NORMAL	ABNORMAL	---

WEAR

All component wear rates are normal.

PQ		ASTM D8184		41	63	---
Iron	ppm	ASTM D5185m	>350	121	124	---
Chromium	ppm	ASTM D5185m	>5	<1	0	---
Nickel	ppm	ASTM D5185m	>5	<1	0	---
Titanium	ppm	ASTM D5185m		4	7	---
Silver	ppm	ASTM D5185m		0	0	---
Aluminum	ppm	ASTM D5185m	>8	2	2	---
Lead	ppm	ASTM D5185m	>10	6	10	---
Copper	ppm	ASTM D5185m	>150	2	4	---
Tin	ppm	ASTM D5185m	>5	<1	0	---
Vanadium	ppm	ASTM D5185m		0	0	---
White Metal	scalar	*Visual	NONE	NONE	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---

CONTAMINATION

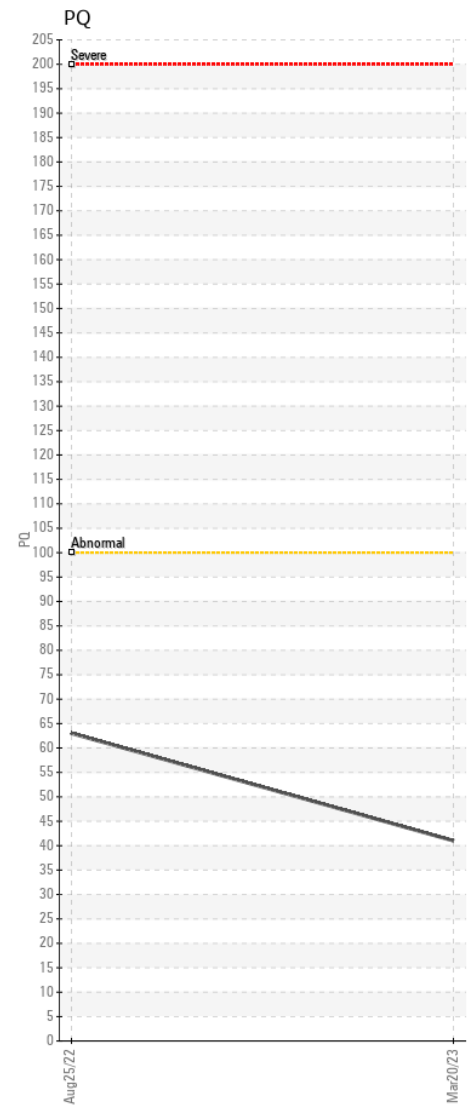
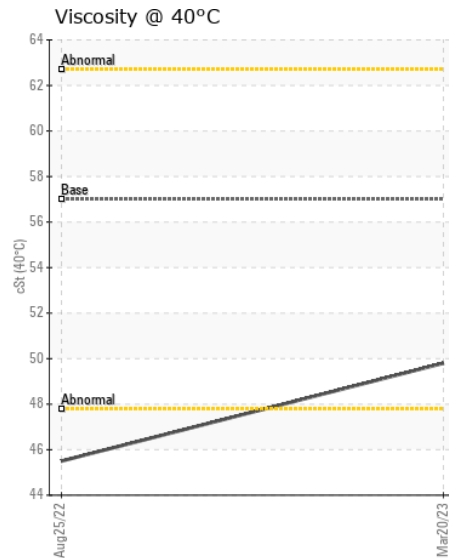
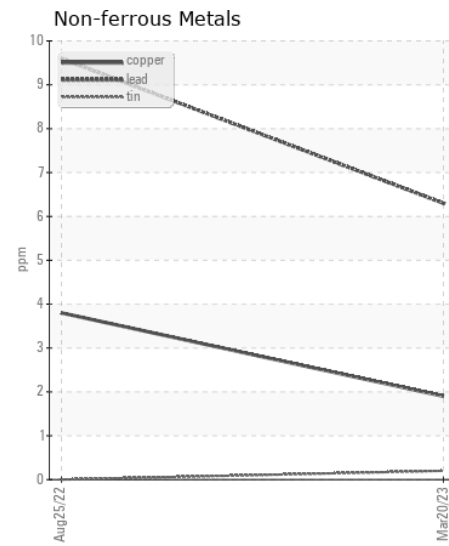
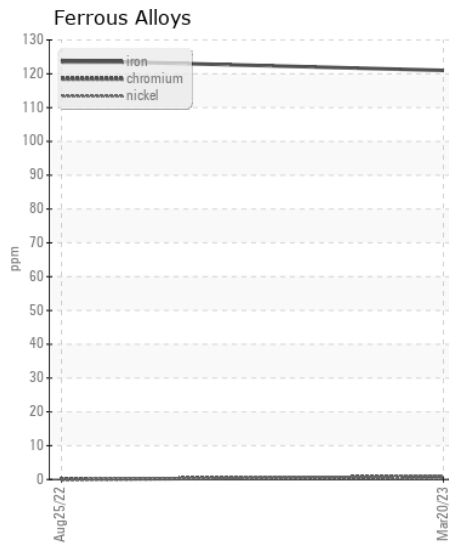
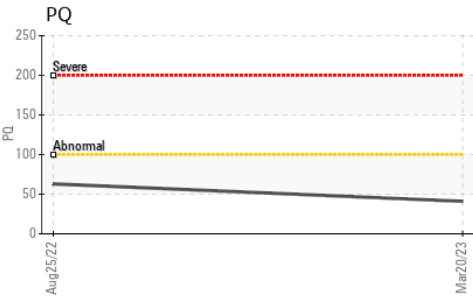
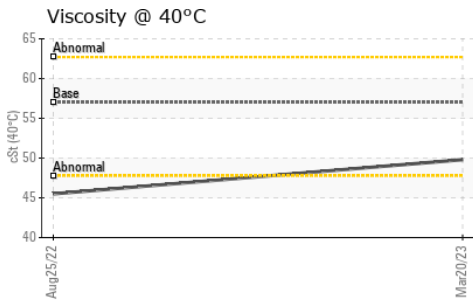
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>400	264	▲ 562	---
Potassium	ppm	ASTM D5185m	>20	13	15	---
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 oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185m		15	26	---
Boron	ppm	ASTM D5185m	6	168	183	---
Barium	ppm	ASTM D5185m	0	0	3	---
Molybdenum	ppm	ASTM D5185m	0	171	236	---
Manganese	ppm	ASTM D5185m		3	3	---
Magnesium	ppm	ASTM D5185m	145	433	408	---
Calcium	ppm	ASTM D5185m	3570	1979	1196	---
Phosphorus	ppm	ASTM D5185m	1290	780	616	---
Zinc	ppm	ASTM D5185m	1640	919	646	---
Sulfur	ppm	ASTM D5185m		3095	2132	---
Visc @ 40°C	cSt	ASTM D445	57.0	49.8	45.5	---



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0036929 **Received** : 23 Mar 2023
Lab Number : 05799960 **Tested** : 24 Mar 2023
Unique Number : 10389644 **Diagnosed** : 27 Mar 2023 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
 US 45750-9765
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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)