



OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 1 - Cowen [146052]
 Machine Id
JOHN DEERE 948L 1DW948LXVJF687283
 Component
Rear Axle
 Fluid
JOHN DEERE HY-GARD HYD/TRANS (28 GAL)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041125	LEC0040537	LEC0039100
Sample Date		Client Info		11 Jan 2024	18 Aug 2023	03 Mar 2023
Machine Age	hrs	Client Info		6705	6175	5612
Oil Age	hrs	Client Info		1628	1098	535
Filter Age	hrs	Client Info		530	1098	535
Oil Changed		Client Info		Not Changed	Not Changed	Not Changed
Filter Changed		Client Info		Not Changed	Changed	Not Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		15	16	14
Iron	ppm	ASTM D5185m	>750	2	7	6
Chromium	ppm	ASTM D5185m	>11	0	<1	<1
Nickel	ppm	ASTM D5185m	>10	0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>21	<1	<1	<1
Lead	ppm	ASTM D5185m	>49	0	<1	1
Copper	ppm	ASTM D5185m	>101	2	1	<1
Tin	ppm	ASTM D5185m	>10	0	0	<1
Vanadium	ppm	ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

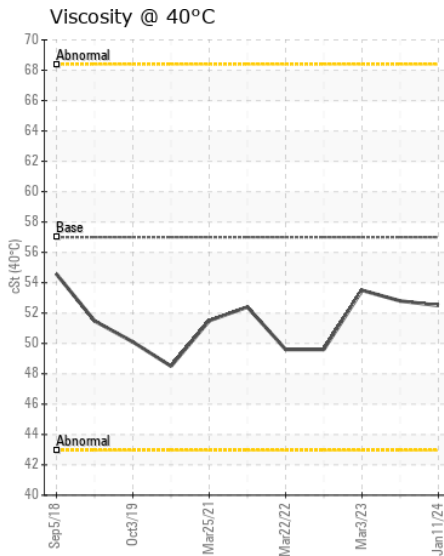
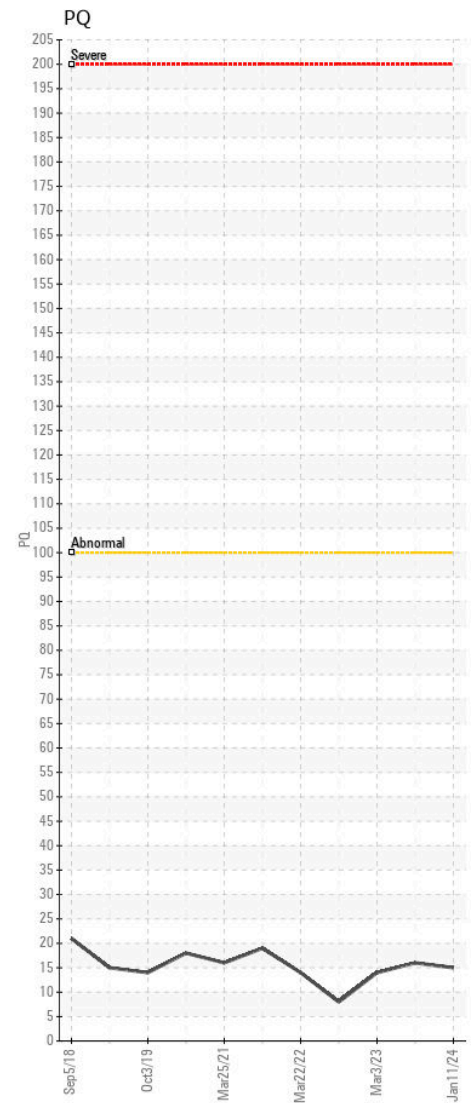
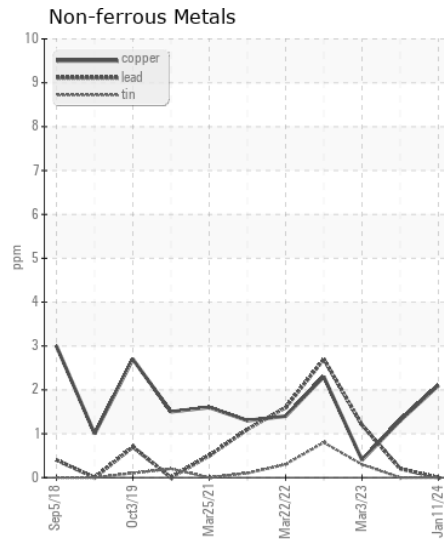
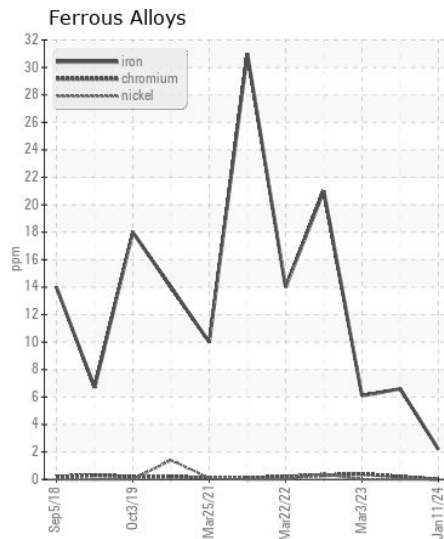
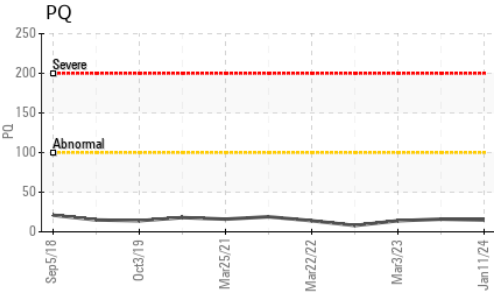
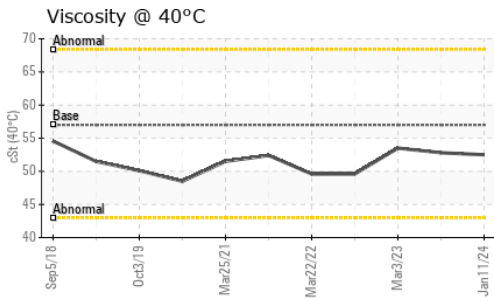
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>31	2	5	5
Potassium	ppm	ASTM D5185m	>20	0	1	<1
Water		WC Method	>0.1	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	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	>0.1	NEG	NEG	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m	>51	0	0	1
Boron	ppm	ASTM D5185m	6	0	0	<1
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	0	1	1
Manganese	ppm	ASTM D5185m		<1	<1	1
Magnesium	ppm	ASTM D5185m	145	100	100	103
Calcium	ppm	ASTM D5185m	3570	3395	3624	3387
Phosphorus	ppm	ASTM D5185m	1290	1020	1064	938
Zinc	ppm	ASTM D5185m	1640	1243	1292	1207
Sulfur	ppm	ASTM D5185m		3323	3905	3645
Visc @ 40°C	cSt	ASTM D445	57.0	52.5	52.8	53.5



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0041125 **Received** : 16 Jan 2024
Lab Number : 06061491 **Diagnosed** : 17 Jan 2024
Unique Number : 10832873 **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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