CONST

LESLIE EQUIPMENT CO.

OIL ANALYSIS REPORT

WEAR	ATTENTION
CONTAMINATION	ABNORMAL
FLUID CONDITION	NORMAL

Area
[136372]
Machine Id
JOHN DEERE 250GLC 1FF250GXLNF611863
Component
Left Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (2 GAL)

RECOMMENDATION

We advise that you check all areas where dirt can enter the system. The oil change at the time of sampling has been noted. Resample at the next service interval to monitor.

WEAR

All component wear rates are normal.

CONTAMINATION

Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

FLUID CONDITION

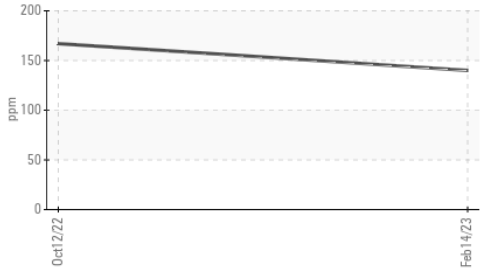
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0036943	LEC0033041	---
Sample Date		Client Info		14 Feb 2023	12 Oct 2022	---
Machine Age	hrs	Client Info		987	497	---
Oil Age	hrs	Client Info		490	497	---
Filter Age	hrs	Client Info		0	0	---
Oil Changed		Client Info		Changed	Changed	---
Filter Changed		Client Info		N/A	N/A	---
Sample Status				ABNORMAL	ABNORMAL	---
PQ		ASTM D8184		453	367	---
Iron	ppm	ASTM D5185m	>1250	630	740	---
Chromium	ppm	ASTM D5185m	>10	9	14	---
Nickel	ppm	ASTM D5185m	>10	2	<1	---
Titanium	ppm	ASTM D5185m		3	2	---
Silver	ppm	ASTM D5185m		<1	0	---
Aluminum	ppm	ASTM D5185m		▲ 46	▲ 20	---
Lead	ppm	ASTM D5185m		<1	0	---
Copper	ppm	ASTM D5185m		2	2	---
Tin	ppm	ASTM D5185m		<1	0	---
Vanadium	ppm	ASTM D5185m		<1	<1	---
White Metal	scalar	*Visual	NONE	LIGHT	MODER	---
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	---
Silicon	ppm	ASTM D5185m		▲ 140	▲ 167	---
Potassium	ppm	ASTM D5185m	>20	12	3	---
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	---
Sodium	ppm	ASTM D5185m		1	<1	---
Boron	ppm	ASTM D5185m	6	28	66	---
Barium	ppm	ASTM D5185m	0	2	6	---
Molybdenum	ppm	ASTM D5185m	0	1	<1	---
Manganese	ppm	ASTM D5185m		8	15	---
Magnesium	ppm	ASTM D5185m	145	83	▲ 2	---
Calcium	ppm	ASTM D5185m	3570	2733	▲ 13	---
Phosphorus	ppm	ASTM D5185m	1290	846	▲ 521	---
Zinc	ppm	ASTM D5185m	1640	970	▲ 20	---
Sulfur	ppm	ASTM D5185m		6263	▲ 18146	---
Visc @ 40°C	cSt	ASTM D445	57.0	68.5	▲ 189	---

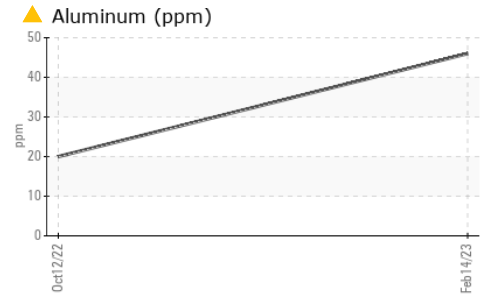
Report Id: LESMAROH [WUSCAR] 05770979 (Generated: 02/15/2024 16:02:48) Rev: 1

Submitted By: STORE 1 - COWEN - JENNIFER ARMENTROUT

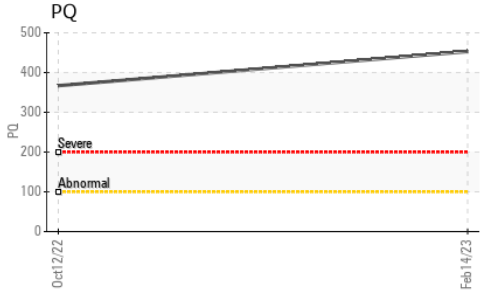
Silicon (ppm)



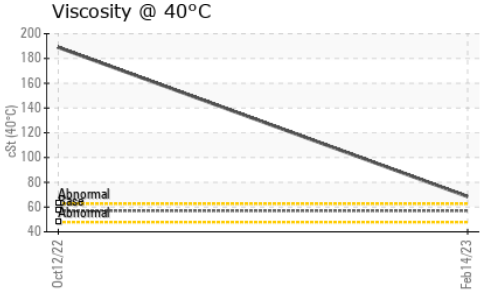
Aluminum (ppm)



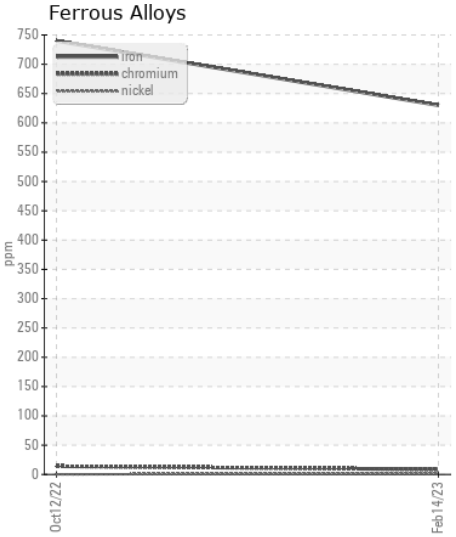
PQ



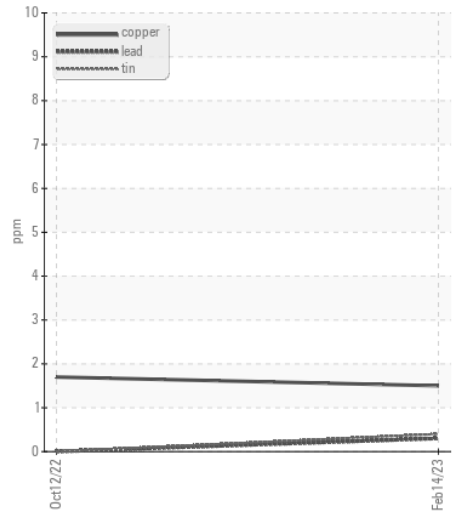
Viscosity @ 40°C



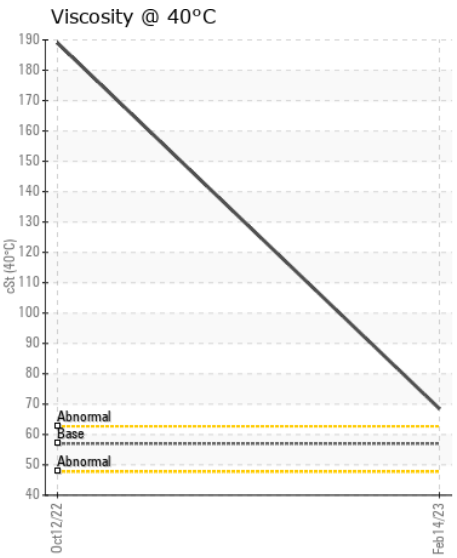
Ferrous Alloys



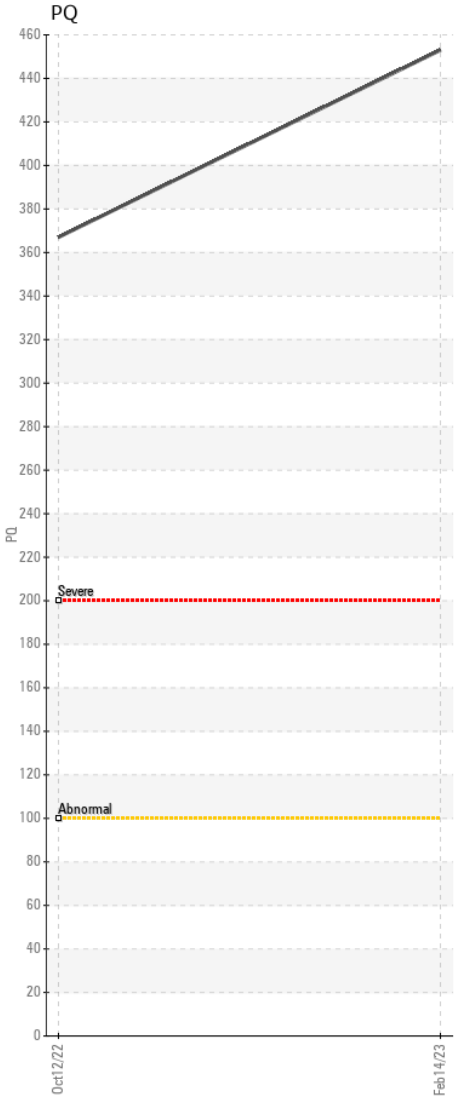
Non-ferrous Metals



Viscosity @ 40°C



PQ



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0036943
Lab Number : 05770979
Unique Number : 10345596
Test Package : CONST (Additional Tests: PQ)

Received : 17 Feb 2023
Tested : 20 Feb 2023
Diagnosed : 20 Feb 2023 - Don Baldridge

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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