



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 1 - Cowen
Machine Id
JOHN DEERE 135G 1FF135GXHKF501620
Component
Left Propel Gearbox
Fluid
JOHN DEERE HY-GARD HYD/TRANS (4 QTS)

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.

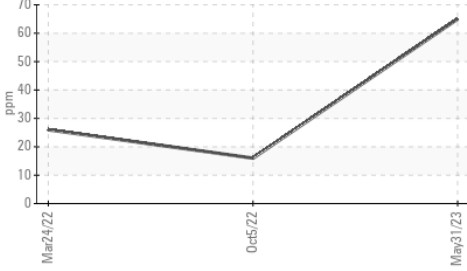
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0041381	LEC0033031	LEC0027167
Sample Date		Client Info		31 May 2023	05 Oct 2022	24 Mar 2022
Machine Age	hrs	Client Info		1594	1056	527
Oil Age	hrs	Client Info		538	529	527
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		None	N/A	N/A
Sample Status				ABNORMAL	NORMAL	NORMAL

PQ		ASTM D8184		139	23	83
Iron	ppm	ASTM D5185m	>1250	163	45	84
Chromium	ppm	ASTM D5185m	>10	3	2	3
Nickel	ppm	ASTM D5185m	>10	<1	2	0
Titanium	ppm	ASTM D5185m		1	<1	<1
Silver	ppm	ASTM D5185m		0	0	2
Aluminum	ppm	ASTM D5185m		13	2	2
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		<1	1	<1
Tin	ppm	ASTM D5185m		0	0	<1
Vanadium	ppm	ASTM D5185m		0	<1	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

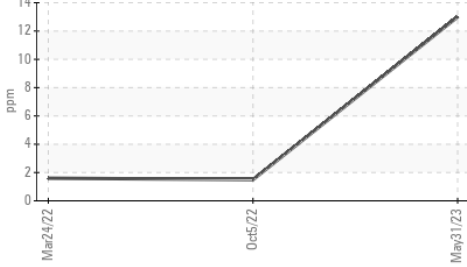
Silicon	ppm	ASTM D5185m		65	16	26
Potassium	ppm	ASTM D5185m	>20	3	4	2
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE	NONE	NONE	VLITE
Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		1	2	<1
Boron	ppm	ASTM D5185m	6	9	23	60
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	<1	0
Manganese	ppm	ASTM D5185m		3	1	3
Magnesium	ppm	ASTM D5185m	145	89	98	0
Calcium	ppm	ASTM D5185m	3570	3244	3296	20
Phosphorus	ppm	ASTM D5185m	1290	938	990	507
Zinc	ppm	ASTM D5185m	1640	1137	1177	37
Sulfur	ppm	ASTM D5185m		4554	6187	12395
Visc @ 40°C	cSt	ASTM D445	57.0	56.8	58.1	178

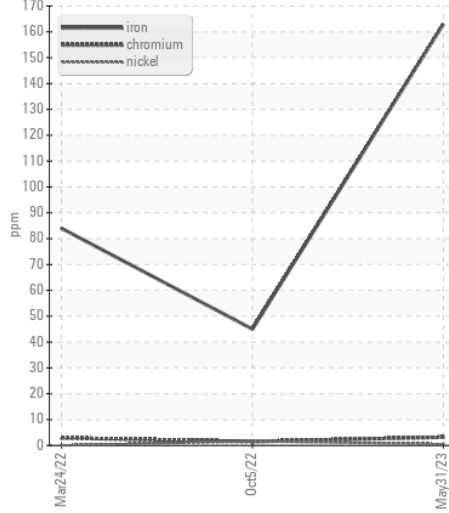
▲ Silicon (ppm)



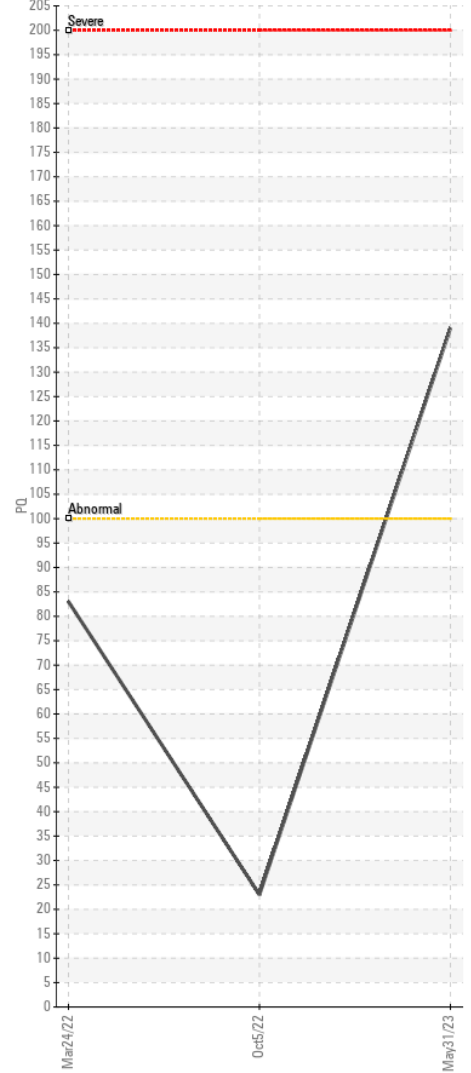
● Aluminum (ppm)



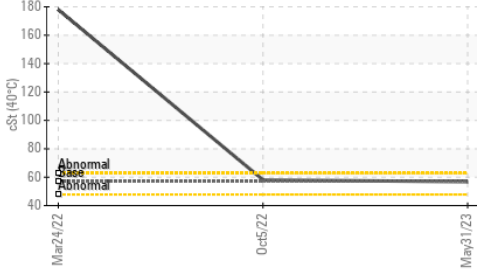
Ferrous Alloys



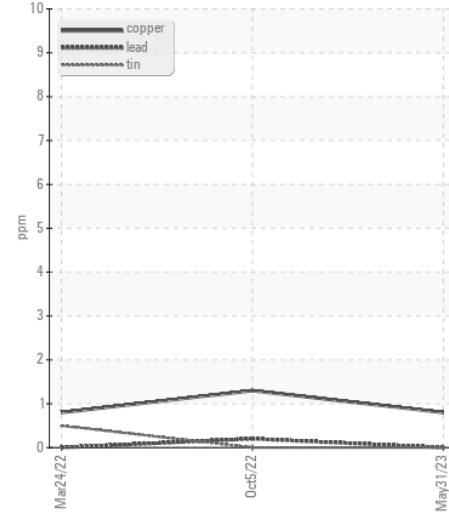
PQ



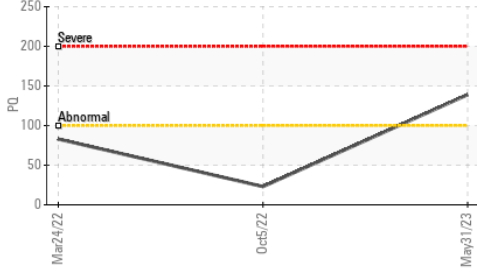
Viscosity @ 40°C



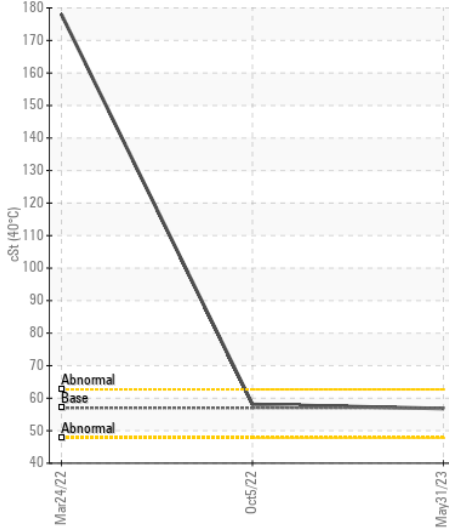
Non-ferrous Metals



PQ



Viscosity @ 40°C



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
 Sample No. : LEC0041381 Received : 02 Jun 2023
 Lab Number : 05863224 Tested : 05 Jun 2023
 Unique Number : 10497689 Diagnosed : 05 Jun 2023 - Sean Felton
 Test Package : CONST (Additional Tests: PQ)

LESLIE EQUIPMENT COMPANY
 105 TENNIS CENTER DR.
 MARIETTA, OH
 US 45750-9765
 Contact: LEANNE KENDALL
 KendalLeanne@lec1.com

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)

T: (740)373-5570