



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont [151656]
Machine Id
JOHN DEERE 350G 1FF350GXKHF812003
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.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0050408	LEC0045885	LEC0040312
Sample Date		Client Info		12 Jun 2024	12 Jan 2024	26 May 2023
Machine Age	hrs	Client Info		5609	5013	4296
Oil Age	hrs	Client Info		596	717	642
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Not Changed	N/A	N/A
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

WEAR

All component wear rates are normal.

PQ		ASTM D8184		616	799	189
Iron	ppm	ASTM D5185m	>1250	736	875	369
Chromium	ppm	ASTM D5185m	>10	5	5	2
Nickel	ppm	ASTM D5185m	>10	2	<1	1
Titanium	ppm	ASTM D5185m		5	6	5
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		64	64	97
Lead	ppm	ASTM D5185m		<1	0	0
Copper	ppm	ASTM D5185m		2	3	<1
Tin	ppm	ASTM D5185m		0	0	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

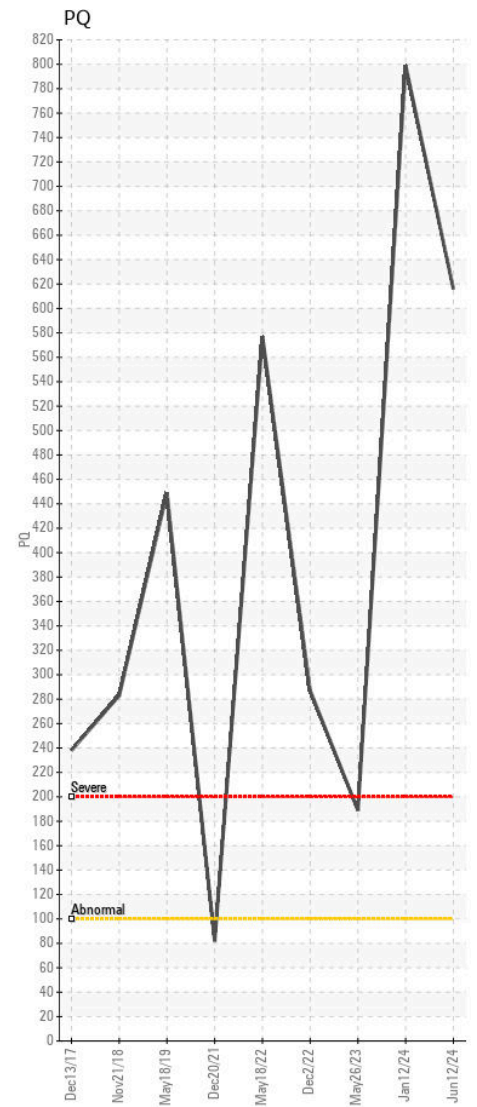
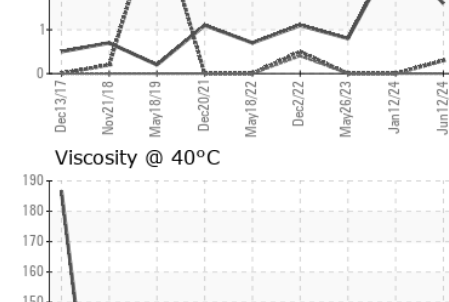
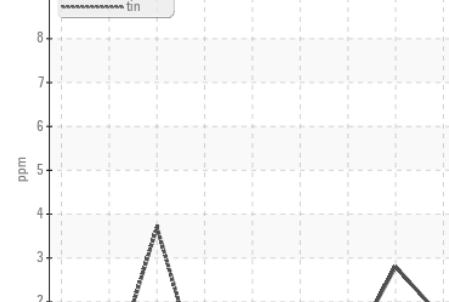
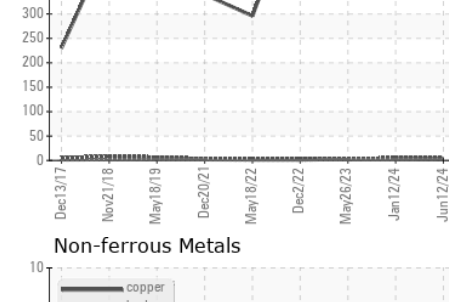
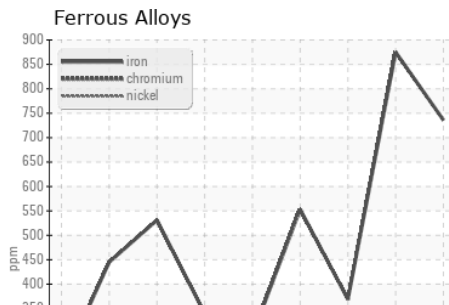
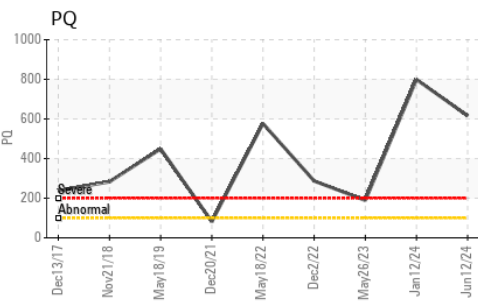
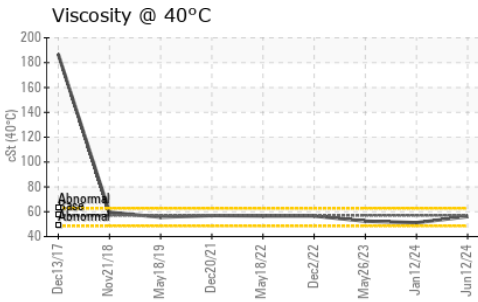
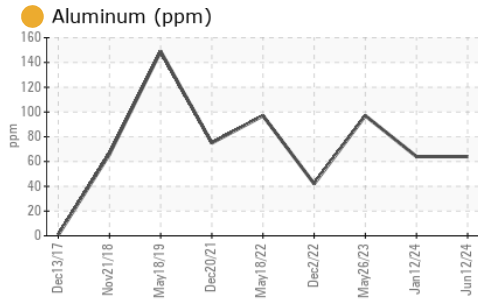
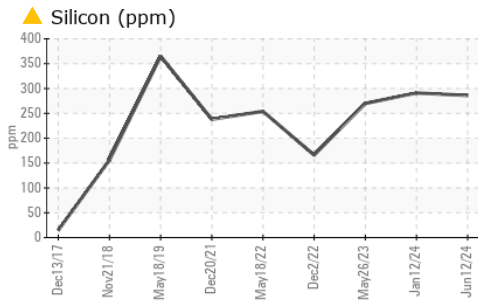
Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.

Silicon	ppm	ASTM D5185m		286	291	270
Potassium	ppm	ASTM D5185m	>20	20	19	29
Water		WC Method	>0.2	NEG	NEG	NEG
Silt	scalar	*Visual	NONE	MODER	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	>0.2	NEG	0.2%	NEG

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		2	<1	0
Boron	ppm	ASTM D5185m	6	2	0	0
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	2	0	<1
Manganese	ppm	ASTM D5185m		6	8	4
Magnesium	ppm	ASTM D5185m	145	125	117	109
Calcium	ppm	ASTM D5185m	3570	3933	3521	3779
Phosphorus	ppm	ASTM D5185m	1290	1131	1045	1042
Zinc	ppm	ASTM D5185m	1640	1403	1291	1289
Sulfur	ppm	ASTM D5185m		4037	3457	3990
Visc @ 40°C	cSt	ASTM D445	57.0	56.1	51.2	52.4



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0050408 **Received** : 14 Jun 2024
Lab Number : 06210457 **Tested** : 17 Jun 2024
Unique Number : 11083321 **Diagnosed** : 18 Jun 2024 - Don Baldrige
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