



OIL ANALYSIS REPORT

WEAR
CONTAMINATION
FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL



Area
Store 4 - Fairmont [139281]
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.

WEAR

All component wear rates are normal.

CONTAMINATION

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

FLUID CONDITION

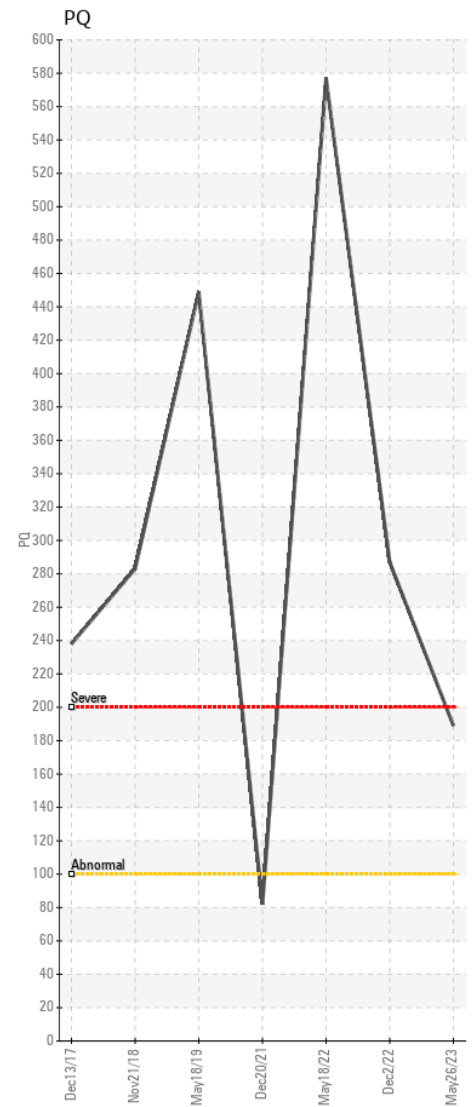
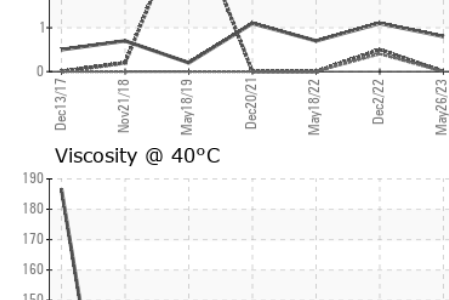
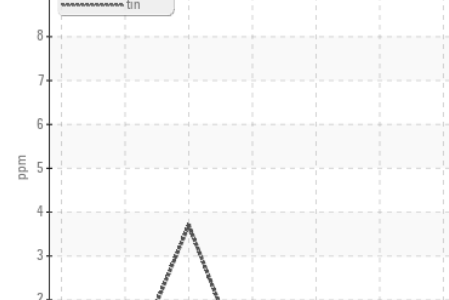
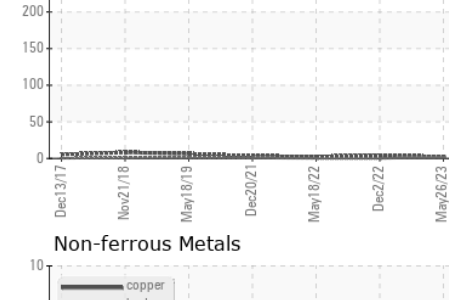
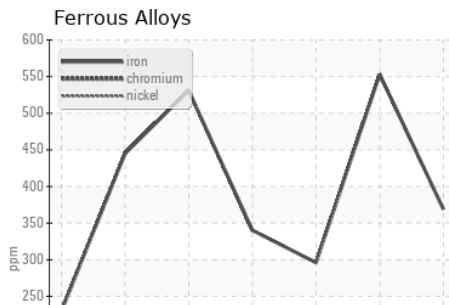
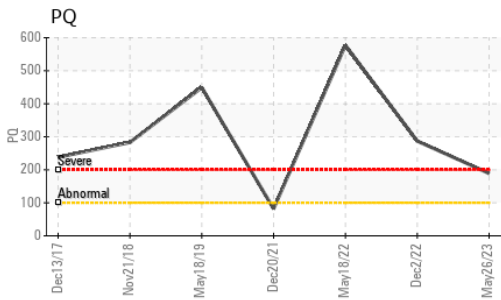
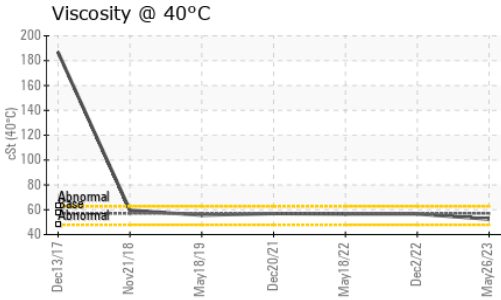
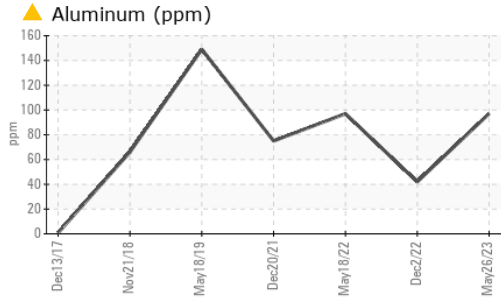
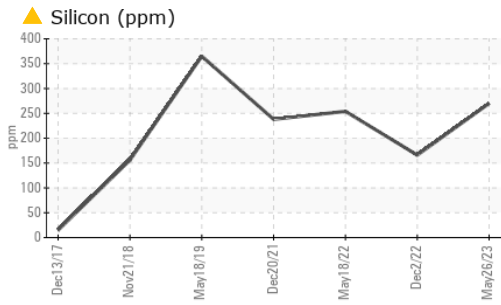
The condition of the oil is acceptable for the time in service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0040312	LEC0035053	LEC0031559
Sample Date		Client Info		26 May 2023	02 Dec 2022	18 May 2022
Machine Age	hrs	Client Info		4296	3654	3064
Oil Age	hrs	Client Info		642	590	414
Filter Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		N/A	N/A	None
Sample Status				ABNORMAL	ABNORMAL	ABNORMAL

PQ		ASTM D8184		189	287	577
Iron	ppm	ASTM D5185m	>1250	369	553	296
Chromium	ppm	ASTM D5185m	>10	2	4	2
Nickel	ppm	ASTM D5185m	>10	1	0	0
Titanium	ppm	ASTM D5185m		5	4	4
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m		▲ 97	▲ 42	▲ 97
Lead	ppm	ASTM D5185m		0	<1	0
Copper	ppm	ASTM D5185m		<1	1	<1
Tin	ppm	ASTM D5185m		0	<1	0
Vanadium	ppm	ASTM D5185m		<1	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

Silicon	ppm	ASTM D5185m		▲ 270	▲ 166	▲ 254
Potassium	ppm	ASTM D5185m	>20	29	10	24
Water		WC Method	>0.2	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	>0.2	NEG	NEG	NEG

Sodium	ppm	ASTM D5185m		0	3	3
Boron	ppm	ASTM D5185m	6	0	4	10
Barium	ppm	ASTM D5185m	0	0	0	0
Molybdenum	ppm	ASTM D5185m	0	<1	3	6
Manganese	ppm	ASTM D5185m		4	5	4
Magnesium	ppm	ASTM D5185m	145	109	115	120
Calcium	ppm	ASTM D5185m	3570	3779	3596	3499
Phosphorus	ppm	ASTM D5185m	1290	1042	1054	1087
Zinc	ppm	ASTM D5185m	1640	1289	1221	1298
Sulfur	ppm	ASTM D5185m		3990	4388	3493
Visc @ 40°C	cSt	ASTM D445	57.0	52.4	56.6	56.6



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0040312 **Received** : 05 Jun 2023
Lab Number : 05864558 **Diagnosed** : 07 Jun 2023
Unique Number : 10499023 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
 US 45750-9765
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Certificate L2367
 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)