



OIL ANALYSIS REPORT

WEAR	SEVERE
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Area
Store 8 - Pikeville [146422]
 Machine Id
PRINOTH T14R 935310213
 Component
Right Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (1 GAL)

RECOMMENDATION

The oil change at the time of sampling has been noted. No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		LEC0046483	LEC0029404	LEC0025191
Sample Date		Client Info		08 Jan 2024	20 May 2022	27 Sep 2021
Machine Age	hrs	Client Info		1800	1351	959
Oil Age	hrs	Client Info		449	392	339
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				SEVERE	SEVERE	SEVERE

WEAR

Gear wear is indicated. Bearing and/or bushing wear is indicated.

PQ	UOM	Method	Limit/Abn	Current	History1	History2
PQ		ASTM D8184		176	213	1380
Iron	ppm	ASTM D5185m	>500	683	3442	3928
Chromium	ppm	ASTM D5185m	>10	4	37	23
Nickel	ppm	ASTM D5185m	>10	0	6	38
Titanium	ppm	ASTM D5185m		0	7	2
Silver	ppm	ASTM D5185m		0	0	0
Aluminum	ppm	ASTM D5185m	>25	1	53	13
Lead	ppm	ASTM D5185m	>25	23	74	205
Copper	ppm	ASTM D5185m	>50	516	2290	3635
Tin	ppm	ASTM D5185m	>10	29	92	326
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	VLITE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE

CONTAMINATION

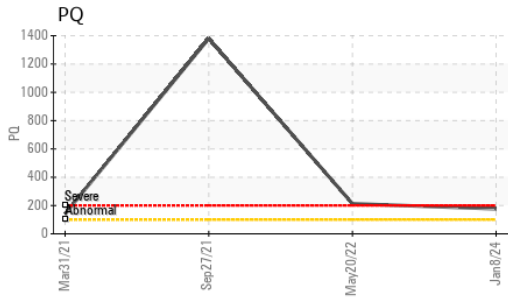
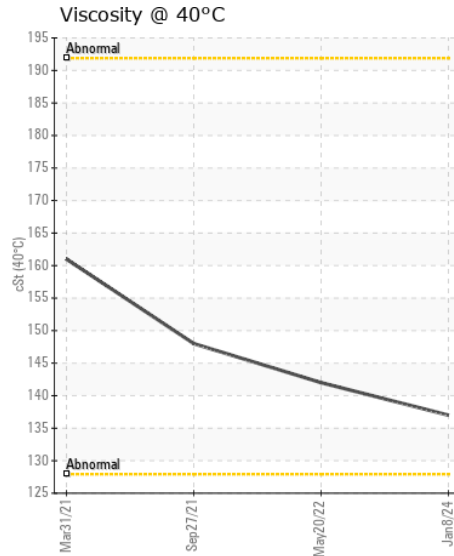
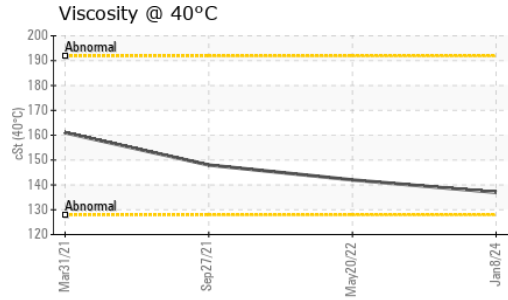
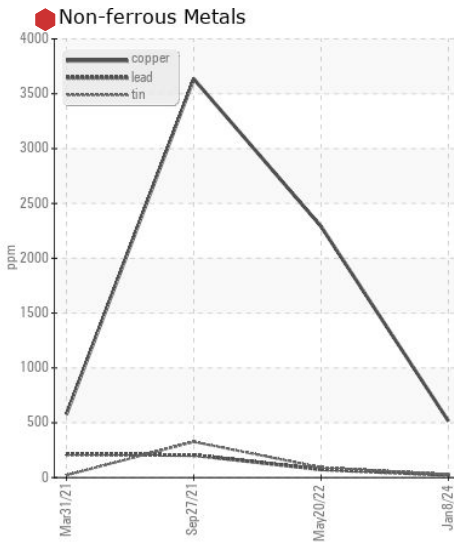
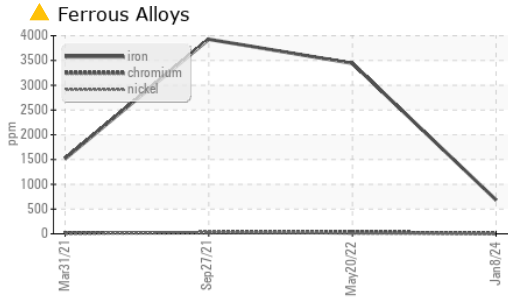
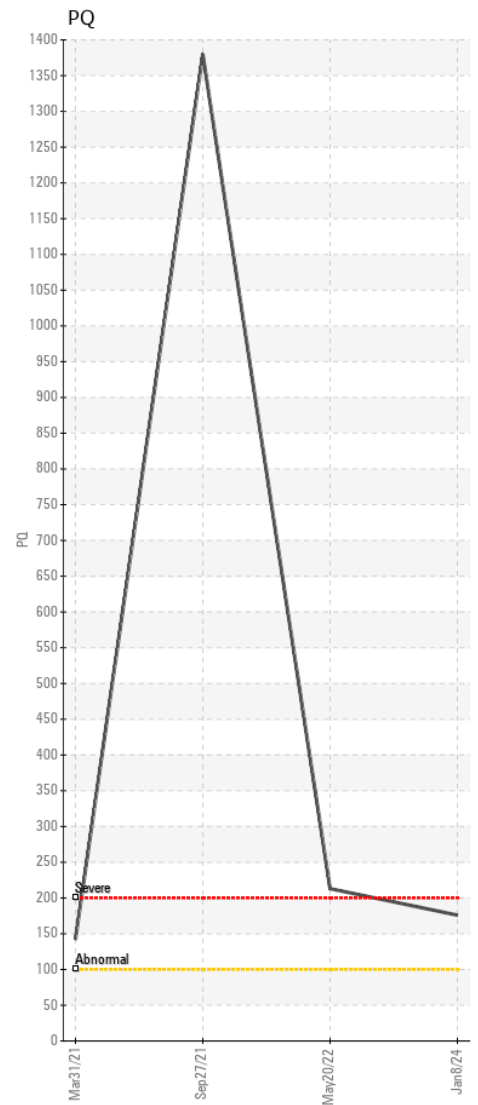
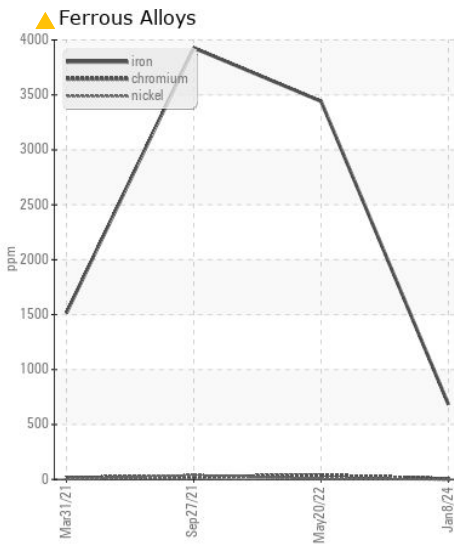
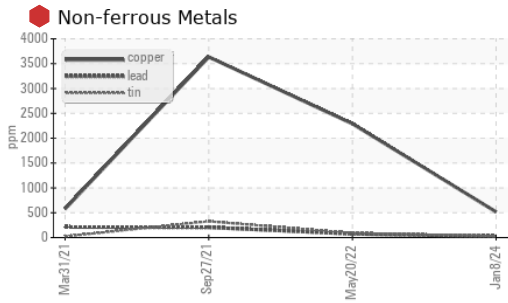
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185m	>75	16	297	38
Potassium	ppm	ASTM D5185m	>20	1	12	2
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

FLUID CONDITION

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

Sodium	ppm	ASTM D5185m		<1	3	<1
Boron	ppm	ASTM D5185m		2	5	11
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		<1	2	<1
Manganese	ppm	ASTM D5185m		4	23	27
Magnesium	ppm	ASTM D5185m		7	8	5
Calcium	ppm	ASTM D5185m		76	55	42
Phosphorus	ppm	ASTM D5185m		341	337	293
Zinc	ppm	ASTM D5185m		33	32	97
Sulfur	ppm	ASTM D5185m		19746	14561	12292
Visc @ 40°C	cSt	ASTM D445		137	142	148



Certificate L2367

Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : LEC0046483 **Received** : 11 Jan 2024
Lab Number : 06058352 **Diagnosed** : 14 Jan 2024
Unique Number : 10829734 **Diagnostician** : Don Baldrige
Test Package : CONST (Additional Tests: PQ)

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 MARIETTA, OH
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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)