



OIL ANALYSIS REPORT

Sample Rating Trend



WEAR



Machine Id
JOHN DEERE 204K 037291
 Component
Front Left Final Drive
 Fluid
JOHN DEERE GL-5 80W90 (--- GAL)

DIAGNOSIS

Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

Wear

Bearing and/or bushing wear is indicated.

Contamination

There is no indication of any contamination in the oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		MT0006155	MT0005584	---
Sample Date	Client Info		02 Apr 2024	12 May 2023	---
Machine Age	hrs	Client Info	2919	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		N/A	N/A	---
Sample Status			ABNORMAL	SEVERE	---

CONTAMINATION

	method	limit/base	current	history1	history2
Water	WC Method	>0.075	NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184	>1250	428	268	---
Iron	ppm	ASTM D5185m	>750	656	636
Chromium	ppm	ASTM D5185m	>9	6	5
Nickel	ppm	ASTM D5185m	>10	0	<1
Titanium	ppm	ASTM D5185m		0	<1
Silver	ppm	ASTM D5185m		0	0
Aluminum	ppm	ASTM D5185m	>40	2	1
Lead	ppm	ASTM D5185m	>15	0	2
Copper	ppm	ASTM D5185m	>40	342	347
Tin	ppm	ASTM D5185m	>10	29	26
Vanadium	ppm	ASTM D5185m		0	0
Cadmium	ppm	ASTM D5185m		0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		3	3
Barium	ppm	ASTM D5185m		6	0
Molybdenum	ppm	ASTM D5185m		0	0
Manganese	ppm	ASTM D5185m		8	8
Magnesium	ppm	ASTM D5185m		7	3
Calcium	ppm	ASTM D5185m		36	30
Phosphorus	ppm	ASTM D5185m		2087	2060
Zinc	ppm	ASTM D5185m		78	62
Sulfur	ppm	ASTM D5185m		27096	25056

CONTAMINANTS

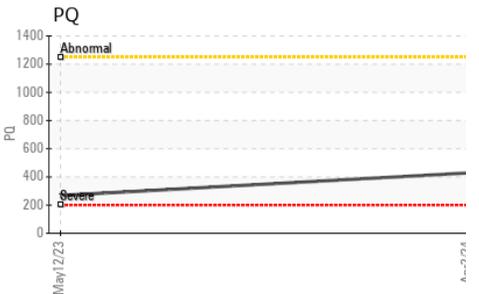
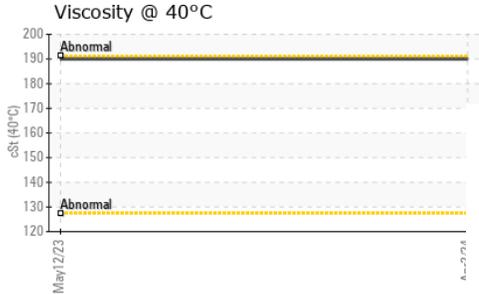
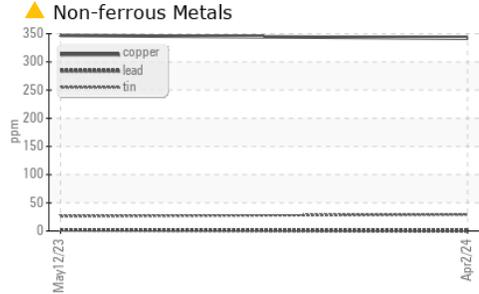
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	25	24
Sodium	ppm	ASTM D5185m	>51	13	15
Potassium	ppm	ASTM D5185m	>20	3	4

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE
Precipitate	scalar	*Visual	NONE	NONE	NONE
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	>0.075	NEG	NEG
Free Water	scalar	*Visual		NEG	NEG



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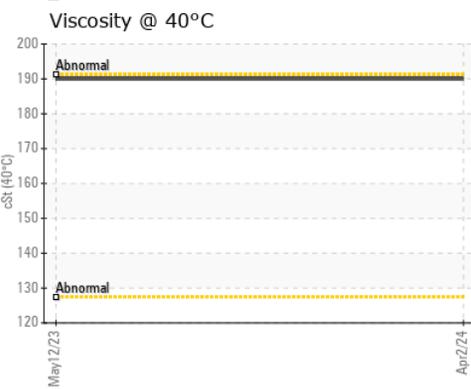
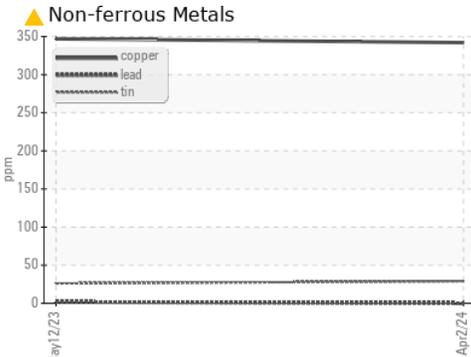
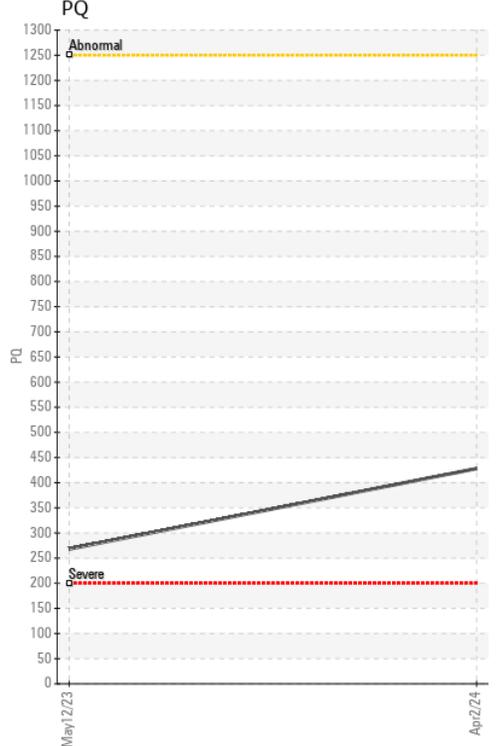
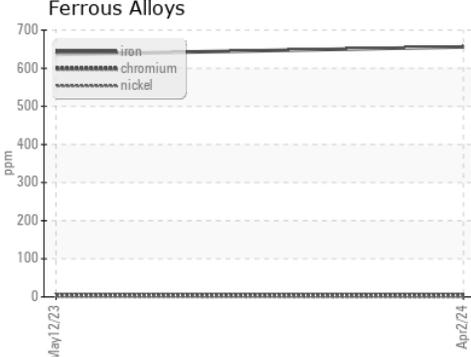
FLUID PROPERTIES

method	limit/base	current	history1	history2
Visc @ 40°C	cSt ASTM D445	190	190	---

SAMPLE IMAGES

method	limit/base	current	history1	history2
Color		no image	no image	no image
Bottom		no image	no image	no image

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : MT0006155 **Received** : 08 Apr 2024
Lab Number : 06141630 **Tested** : 09 Apr 2024
Unique Number : 10966438 **Diagnosed** : 10 Apr 2024 - Sean Felton
Test Package : CONST (Additional Tests: PQ)

MURPHY TRACTOR - CAMBRIDGE
 60611 HULSE DRIVE
 CAMBRIDGE, OH
 US 43725
 Contact: DUSTIN DAILEY
 DDAILEY@MURPHYTRACTOR.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) F: (740)439-2325