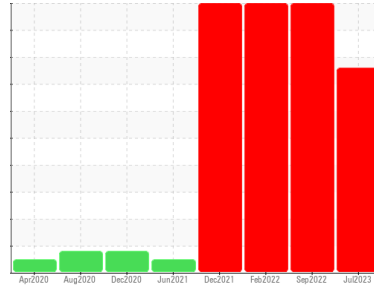


PROBLEM SUMMARY

Sample Rating Trend



WEAR



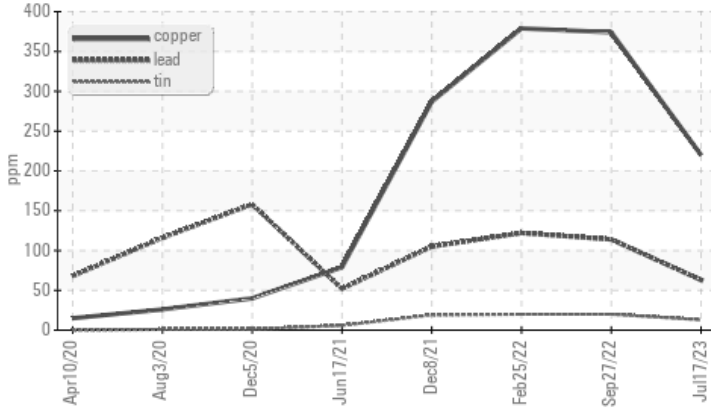
Machine Id
JOHN DEERE 115

Component
Rear Differential

Fluid
MOBIL MOBILFLUID 424 (--- QTS)

COMPONENT CONDITION SUMMARY

Non-ferrous Metals



RECOMMENDATION

The filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

PROBLEMATIC TEST RESULTS

Sample Status				SEVERE	SEVERE	SEVERE
Lead	ppm	ASTM D5185m	>25	▲ 63	● 114	● 122
Copper	ppm	ASTM D5185m	>100	● 220	● 374	● 379
Tin	ppm	ASTM D5185m	>10	▲ 13	▲ 20	▲ 20

Customer Id: SCOWAV
Sample No.: JR0172466
Lab Number: 05905046
Test Package: CONST



To manage this report scan the QR code

To discuss the diagnosis or test data:
Sean Felton +1 919-379-4092
sfelton@wearcheckusa.com

To change component or sample information:
Customer Service +1 1-800-237-1369
customerservice@wearcheck.com

RECOMMENDED ACTIONS

Action	Status	Date	Done By	Description
Inspect Wear Source	---	---	?	We advise that you inspect for the source(s) of wear.
Resample	---	---	?	We recommend an early resample to monitor this condition.

HISTORICAL DIAGNOSIS

27 Sep 2022 Diag: Don Baldrige

WEAR



Oil and filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



25 Feb 2022 Diag: Don Baldrige

WEAR



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report



08 Dec 2021 Diag: Don Baldrige

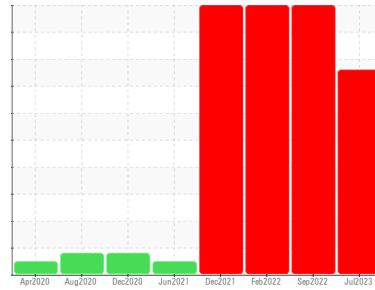
WEAR



We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition. Bearing and/or bushing wear is indicated. There is no indication of any contamination in the oil. The condition of the oil is acceptable for the time in service.

view report





Machine Id
JOHN DEERE 115
Component
Rear Differential
Fluid
MOBIL MOBILFLUID 424 (--- QTS)

DIAGNOSIS
Recommendation

The filter change at the time of sampling has been noted. We advise that you inspect for the source(s) of wear. We recommend an early resample to monitor this condition.

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		JR0172466	JR0039640	JR0039580
Sample Date	Client Info		17 Jul 2023	27 Sep 2022	25 Feb 2022
Machine Age	hrs	Client Info	6230	5170	4185
Oil Age	hrs	Client Info	1000	2000	1750
Oil Changed	Client Info		Not Changed	Changed	Not Changed
Sample Status			SEVERE	SEVERE	SEVERE

WEAR METALS

	method	limit/base	current	history1	history2
PQ	ASTM D8184		17	12	14
Iron	ppm	ASTM D5185m >500	17	32	31
Chromium	ppm	ASTM D5185m >10	0	<1	<1
Nickel	ppm	ASTM D5185m >10	0	0	0
Titanium	ppm	ASTM D5185m	0	0	0
Silver	ppm	ASTM D5185m	<1	<1	<1
Aluminum	ppm	ASTM D5185m >25	1	<1	4
Lead	ppm	ASTM D5185m >25	63	114	122
Copper	ppm	ASTM D5185m >100	220	374	379
Tin	ppm	ASTM D5185m >10	13	20	20
Antimony	ppm	ASTM D5185m >5	---	---	5
Vanadium	ppm	ASTM D5185m	0	0	0
Cadmium	ppm	ASTM D5185m	0	0	0

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	106	83	97
Barium	ppm	ASTM D5185m	<1	0	0
Molybdenum	ppm	ASTM D5185m	7	7	8
Manganese	ppm	ASTM D5185m	<1	<1	<1
Magnesium	ppm	ASTM D5185m	101	104	122
Calcium	ppm	ASTM D5185m	3417	2856	3249
Phosphorus	ppm	ASTM D5185m	1237	1047	1290
Zinc	ppm	ASTM D5185m	1453	1192	1334
Sulfur	ppm	ASTM D5185m	6640	8079	6745

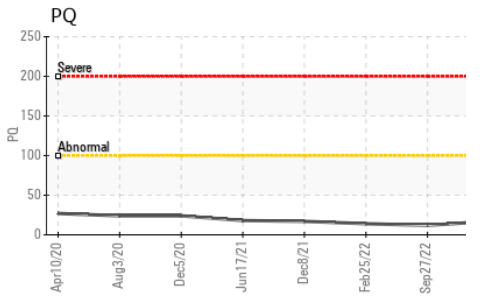
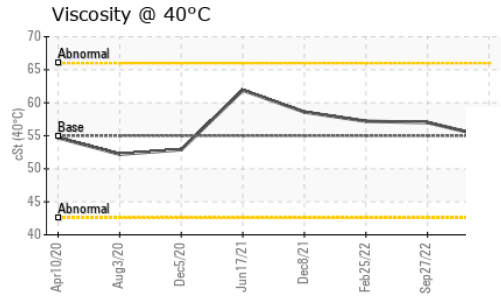
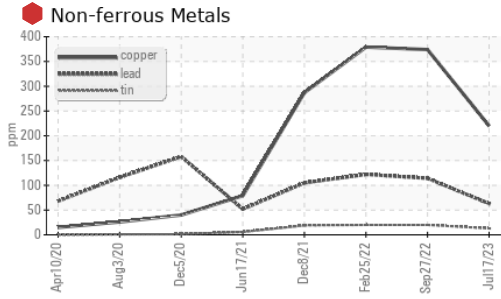
CONTAMINANTS

	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m >75	10	6	9
Sodium	ppm	ASTM D5185m	<1	7	2
Potassium	ppm	ASTM D5185m >20	2	0	0

VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	*Visual NONE	NONE	LIGHT	NONE
Yellow Metal	scalar	*Visual NONE	NONE	NONE	NONE
Precipitate	scalar	*Visual NONE	NONE	NONE	NONE
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 >.2	NEG	NEG	NEG
Free Water	scalar	*Visual	NEG	NEG	NEG

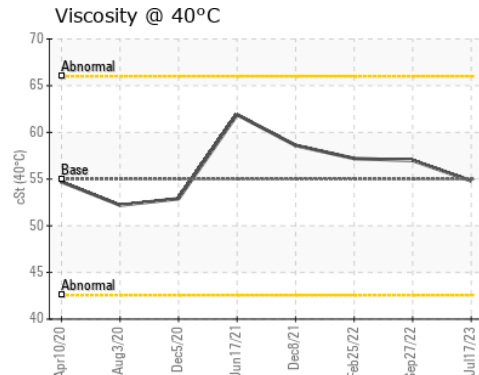
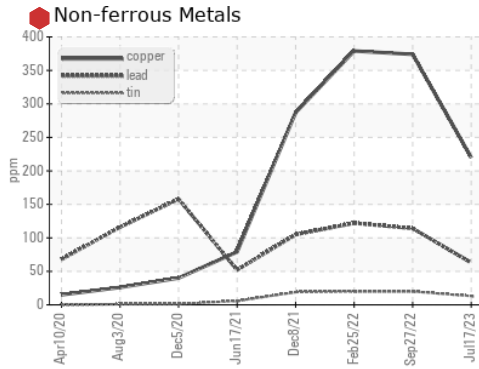
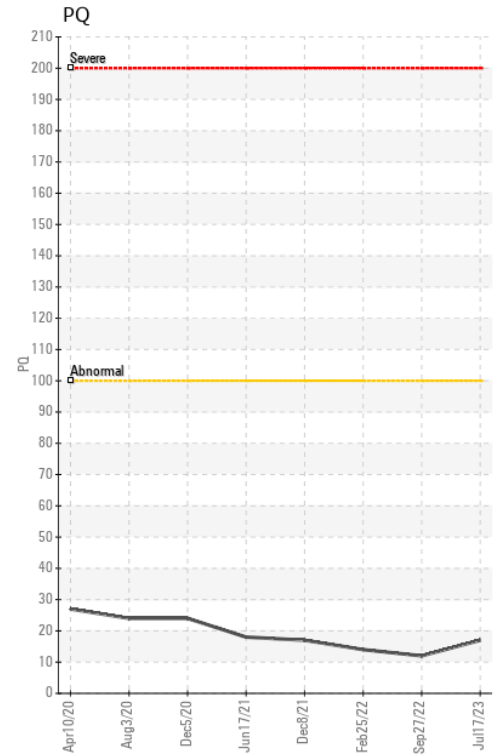
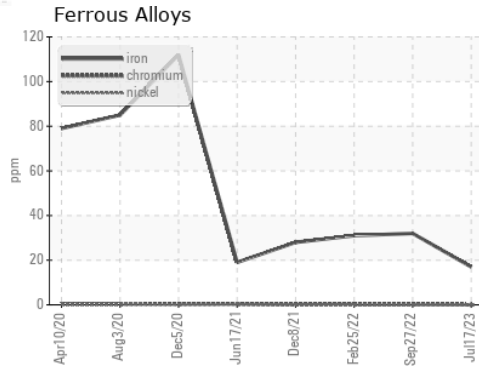
OIL ANALYSIS REPORT



FLUID PROPERTIES	method	limit/base	current	history1	history2
Visc @ 40°C	cSt	ASTM D445 55	54.8	57.0	57.2

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

GRAPHS



Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513
Sample No. : JR0172466 **Received** : 21 Jul 2023
Lab Number : 05905046 **Diagnosed** : 25 Jul 2023
Unique Number : 10566402 **Diagnostician** : Sean Felton
Test Package : CONST (Additional Tests: PQ)

SCOTTS EARTH GROW
 7601 GENERAL MAHONE HWY
 WAVERLY, VA
 US 23890
 Contact: JW
 jerald.tappiii@scotts.com
 T: (804)834-3986
 F: (804)834-3989

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)