

# **OIL ANALYSIS REPORT**

Sample Rating Trend



**JOHN DEERE 115 Front Differential** Fluid MOBIL MOBILFLUID 424 (--- QTS)

# DIAGNOSIS

Machine Id

### A Recommendation

Oil and filter change at the time of sampling has been noted. 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.

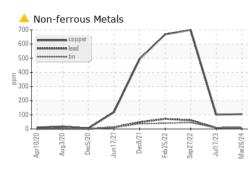
# Fluid Condition

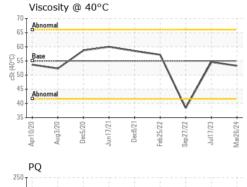
The condition of the oil is acceptable for the time in service.

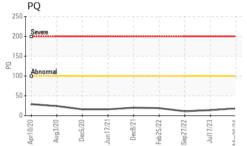
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0149336	JR0172468	JR0039641
Sample Date		Client Info		26 Mar 2024	17 Jul 2023	27 Sep 2022
Machine Age	hrs	Client Info		7366	6230	5170
Oil Age	hrs	Client Info		2000	1000	2000
Oil Changed		Client Info		Changed	Not Changd	Changed
Sample Status				ABNORMAL	ABNORMAL	SEVERE
CONTAMINATIO	N	method	limit/base	current	history1	history2
Water		WC Method	>.2	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
PQ		ASTM D8184		18	14	11
Iron	ppm	ASTM D5185m	>500	32	21	37
Chromium	ppm	ASTM D5185m	>10	<1	0	<1
Nickel	ppm	ASTM D5185m	>10	<1	0	0
Titanium	ppm	ASTM D5185m		<1	0	0
Silver	ppm	ASTM D5185m		<1	<1	<1
Aluminum	ppm	ASTM D5185m	>25	2	1	<1
Lead	ppm	ASTM D5185m	>25	9	8	<u> </u>
Copper	ppm	ASTM D5185m	>100	<u> </u>	<u> </u>	<b>A</b> 700
Tin	ppm	ASTM D5185m	>10	7	7	<b>4</b> 6
Antimony	ppm	ASTM D5185m	>5			
Vanadium	ppm	ASTM D5185m		<1	0	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		91	107	85
Barium	ppm	ASTM D5185m		0	<1	0
Molybdenum	ppm	ASTM D5185m		7	7	7
Manganese	ppm	ASTM D5185m		1	<1	<1
Magnesium	ppm	ASTM D5185m		90	104	108
Calcium	ppm	ASTM D5185m		2988	3488	2887
Phosphorus	ppm	ASTM D5185m		1138	1232	1070
Zinc	ppm	ASTM D5185m		1299	1486	1190
Sulfur	ppm	ASTM D5185m		6223	6810	8233
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>75	10	10	7
Sodium	ppm	ASTM D5185m		4	0	6
Potassium	ppm	ASTM D5185m	>20	2	2	0



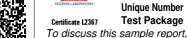
# **OIL ANALYSIS REPORT**







Yellow Metal scalar 'Visual NONE NONE NONE NONE NONE NONE NONE NON	VISUAL		method	limit/base	current	history1	history2
Precipitate scalar 'Visual NONE NONE NONE NONE NONE NONE NONE Site scalar 'Visual NONE NONE NONE NONE NONE NONE Sand/Dirt scalar 'Visual NONE NONE NONE NONE NONE Sand/Dirt scalar 'Visual NOR NONE NONE NONE NONE Sand/Dirt scalar 'Visual NOR NONE NONE NONE NONE Scalar 'Visual NOR NONE NONE NONE NONE Free Water scalar 'Visual NORML NORML NORML NORML NORML NORML NORML SAMPLE IMAGES method Immibbase current history1 history2 Visc @ 40°C cSt ASTM D445 55 53.3 54.6 38.4 SAMPLE IMAGES method Immibbase current history1 history2 Color no image no image no image no image Received sign of the start of the star	White Metal	scalar	*Visual	NONE	NONE	LIGHT	NONE
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Debris scalar Visual NONE NONE NONE NONE NONE NONE Appearance scalar Visual NORML NO	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
Sand/Dirit scalar Visual NONE NONE NONE NONE NONE Appearance scalar Visual NORML Scalar Visual >.2 NEG NEG NEG NEG Stater visual >.2 NEG NEG NEG NEG Stater visual >.2 NEG NEG NEG NEG Stater visual normal transmission of the scalar visual visual scalar visual visual scalar visual visual scalar visual	Debris		*Visual			NONE	NONE
Appearance scalar Visual NORML Normality Normality Noristory Normality Inistory							NONE
Odor scalar Visual NORML Normanising inditidition in the init init init init init init							
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Ferrous Alloys PQ PQ PQ PQ PQ PQ PQ PQ PQ PQ							
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rearCheck USA - 501 Madison Ave., Cary, NC 27513 Rothy 336 Received : 01 Apr 2024 Tested : 03 Apr 2024 - Sean Felton Scotts Earth GROV WAVERLY, V, US 2389	T			8	0		
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Viscosity @ 40°C		1			0		
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PearCheck USA - 501 Madison Ave., Cary, NC 27513 Rotago 20149336 Received : 01 Apr 2024 Tested : 03 Apr 2024 - Sean Felton Source State State Scorts EARTH GROV 7601 GENERAL MAHONE HW WAVERLY, V US 2389				2	A A	PL - JL	Se L
PearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Apr 2024 Tested : 03 Apr 2024 - Sean Felton Solution State Scotts EARTH GROV 7601 GENERAL MAHONE HW WAVERLY, V US 2389	, -						
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VearCheck USA - 501 Madison Ave., Cary, NC 27513   SCOTTS EARTH GROV     R0149336   Received   : 01 Apr 2024   7601 GENERAL MAHONE HWY     6135182   Tested   : 03 Apr 2024   WAVERLY, V/     0954647   Diagnosed   : 03 Apr 2024 - Sean Felton   US 2389			V				
VearCheck USA - 501 Madison Ave., Cary, NC 27513   SCOTTS EARTH GROV     R0149336   Received   : 01 Apr 2024   7601 GENERAL MAHONE HWY     6135182   Tested   : 03 Apr 2024   WAVERLY, V/     0954647   Diagnosed   : 03 Apr 2024 - Sean Felton   US 2389							
VearCheck USA - 501 Madison Ave., Cary, NC 27513   SCOTTS EARTH GROV     R0149336   Received   : 01 Apr 2024   7601 GENERAL MAHONE HWY     6135182   Tested   : 03 Apr 2024   WAVERLY, VA     0954647   Diagnosed   : 03 Apr 2024 - Sean Felton   US 2389	0/20 3/20 5/20	c8/21	7/22	6/24			
Received   : 01 Apr 2024   7601 GENERAL MAHONE HW     6135182   Tested   : 03 Apr 2024   WAVERLY, V     0954647   Diagnosed   : 03 Apr 2024 - Sean Felton   US 2389	Apr1 Aug Dec	Dec	Sep2 Jull	Mar2			
Received   : 01 Apr 2024   7601 GENERAL MAHONE HW     6135182   Tested   : 03 Apr 2024   WAVERLY, V     0954647   Diagnosed   : 03 Apr 2024 - Sean Felton   US 2389	learCheck LISA - 50	1 Madier	n Ave Carv	NC 27512		SCOTTS	
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Test Package : CONST (Additional Tests: PQ) To discuss this sample report, contact Customer Service at 1-800-237-1369. jerald.tappiii@scotts.com \* - 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)

> Contact/Location: JW - SCOWAV Page 2 of 2

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Laboratory

Sample No.

Lab Number