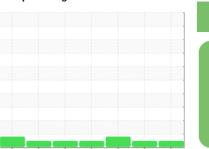


# **OIL ANALYSIS REPORT**

Sample Rating Trend



**NORMAL** 



Machine Id

# **JOHN DEERE 948L 1DW948LXJGF674846**

Diesel Engine

JOHN DEERE ENGINE OIL PLUS 50 II 15W40 (--- GAL)

## Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

## Contamination

There is no indication of any contamination in the

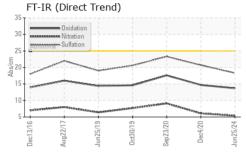
## **Fluid Condition**

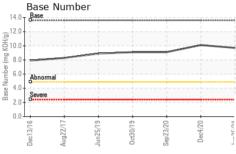
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

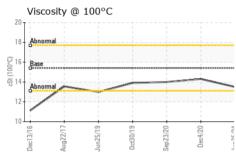
10 ( GAL)		2002010	Page 17 Galleria	SULUTO SULUTO		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0212107	JR0067667	JR0060246
Sample Date		Client Info		25 Jun 2024	04 Dec 2020	23 Sep 2020
Machine Age	hrs	Client Info		9500	1496	4506
Oil Age	hrs	Client Info		0	90	506
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	ABNORMAL
CONTAMINATION	١	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0	<1.0	<1.0
Water		WC Method	>0.21	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>51	4	14	<u>^</u> 56
Chromium	ppm	ASTM D5185m	>11	<1	<1	1
Nickel	ppm	ASTM D5185m	>5	<1	2	5
Titanium	ppm	ASTM D5185m		0	<1	<1
Silver	ppm	ASTM D5185m	>3	0	<1	0
Aluminum	ppm	ASTM D5185m	>31	2	6	2
Lead	ppm	ASTM D5185m	>26	0	0	1
Copper	ppm	ASTM D5185m	>26	<1	1	9
Tin	ppm	ASTM D5185m	>4	0	0	<1
Antimony	ppm	ASTM D5185m			1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		6	219	187
Barium	ppm	ASTM D5185m		0	0	<1
Molybdenum	ppm	ASTM D5185m		64	204	268
Manganese	ppm	ASTM D5185m		0	<1	1
Magnesium	ppm	ASTM D5185m		960	760	794
Calcium	ppm	ASTM D5185m		1075	1336	1432
Phosphorus	ppm	ASTM D5185m		943	773	869
Zinc	ppm	ASTM D5185m		1290	897	1011
Sulfur	ppm	ASTM D5185m		3085	2333	2539
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	2	7	9
Sodium	ppm	ASTM D5185m	>31	1	1	3
Potassium	ppm	ASTM D5185m	>20	2	9	7
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.1	0.5
Nitration	Abs/cm	*ASTM D7624	>20	5.4	6.1	9.1
Sulfation	Abs/.1mm	*ASTM D7415	>30	18.3	20.7	23.3
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	13.7	14.7	17.6
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.7	10.1	9.1

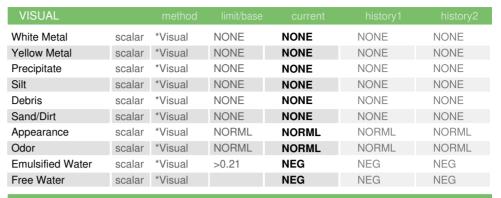


# **OIL ANALYSIS REPORT**



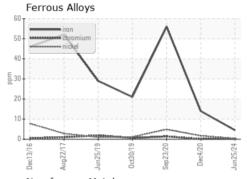


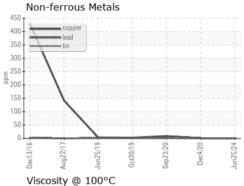


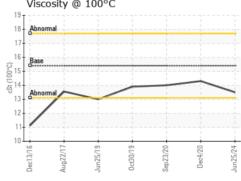


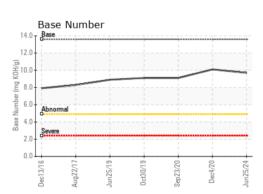
FLUID PROPER	RTIES	method				history2
Visc @ 100°C	cSt	ASTM D445	15.4	13.5	14.3	14.0

## **GRAPHS**













Certificate 12367

Laboratory

Sample No.

: JR0212107 **Lab Number** : 06220972 Unique Number : 11099169

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024 **Tested** 

Diagnosed Test Package : CONST ( Additional Tests: TBN )

: 27 Jun 2024 : 27 Jun 2024 - Don Baldridge

ASHLAND, VA US 23005 Contact: DAVID ZIEG dzieg@jamesriverequipment.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)

Report Id: JAMASH [WUSCAR] 06220972 (Generated: 06/28/2024 12:33:14) Rev: 1

Contact/Location: DAVID ZIEG - JAMASH

JRE - ASHLAND

T: (804)798-6001

F: (804)798-0292

11047 LEADBETTER RD