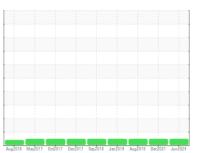


OIL ANALYSIS REPORT

Sample Rating Trend









Machine Id JOHN DEERE 250D 1DW250DXKGE673411

Diesel Engine

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

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

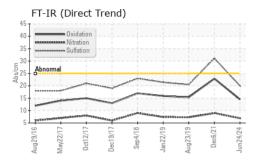
Fluid Condition

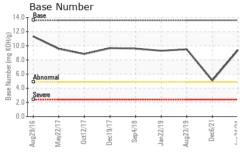
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

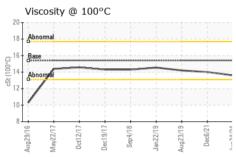
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		JR0224974	JR0106445	JRMC472486
Sample Date		Client Info		24 Jun 2024	06 Dec 2021	23 Aug 2019
Machine Age	hrs	Client Info		4720	4074	3921
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		Changed	Changed	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	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	13	31	13
Chromium	ppm	ASTM D5185m	>11	<1	<1	0
Nickel	ppm	ASTM D5185m	>5	1	1	<1
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	<1	0	0
Aluminum	ppm	ASTM D5185m	>31	5	5	5
Lead	ppm	ASTM D5185m	>26	<1	1	0
Copper	ppm	ASTM D5185m	>26	19	2	1
Tin	ppm	ASTM D5185m	>4	<1	<1	0
Antimony	ppm	ASTM D5185m			0	<1
Vanadium	ppm	ASTM D5185m		<1	<1	0
Cadmium	ppm	ASTM D5185m		<1	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		277	197	208
Barium	ppm	ASTM D5185m		2	0	0
Molybdenum	ppm	ASTM D5185m		248	254	220
Manganese	ppm	ASTM D5185m		1	<1	1
Magnesium	ppm	ASTM D5185m		772	862	735
Calcium	ppm	ASTM D5185m		1382	1583	1365
Phosphorus	ppm	ASTM D5185m		834	969	805
Zinc	ppm	ASTM D5185m		1055	1098	941
Sulfur	ppm	ASTM D5185m		2971	2891	2693
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>22	7	6	4
Sodium	ppm	ASTM D5185m	>31	<1	5	6
Potassium	ppm	ASTM D5185m	>20	3	1	5
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.2	0.6	0.3
Nitration	Abs/cm	*ASTM D7624	>20	6.9	9	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	20.0	31.1	20.5
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.5	22.9	15.4
Base Number (BN)	mg KOH/g	ASTM D2896	13.6	9.4	5.1	9.5
(D/4)			. 0.0	<u></u>	0	0.0

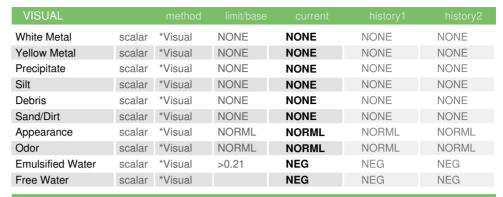


OIL ANALYSIS REPORT



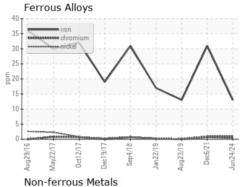


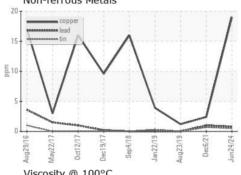


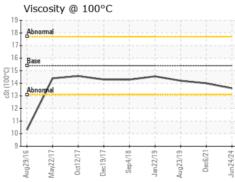


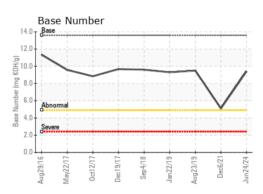
FLUID PROPERTIES			method				history2	
	Visc @ 100°C	cSt	ASTM D445	15.4	13.6	14.0	14.2	

GRAPHS













Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0224974 Lab Number : 06219503 Unique Number : 11097700

Received **Tested** Diagnosed

: 25 Jun 2024 : 26 Jun 2024

: 26 Jun 2024 - Don Baldridge

11047 LEADBETTER RD ASHLAND, VA US 23005 Contact: DAVID ZIEG

JRE - ASHLAND

Test Package : CONST (Additional Tests: TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

dzieg@jamesriverequipment.com T: (804)798-6001

* - 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: (804)798-0292 Contact/Location: DAVID ZIEG - JAMASH

Report Id: JAMASH [WUSCAR] 06219503 (Generated: 06/27/2024 13:00:08) Rev: 1