WEAR CONTAMINATION FLUID CONDITION

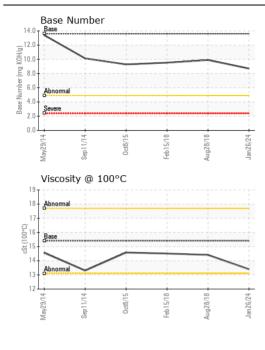
NORMAL NORMAL NORMAL

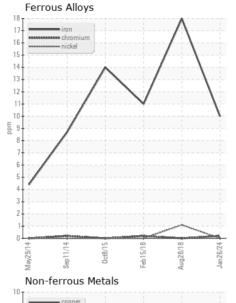


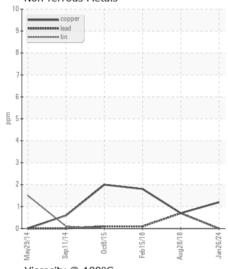
JOHN DEERE 250D II 80.001 (S/N 1DW250DXABD637237)

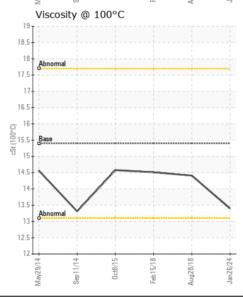
Diesel Engine

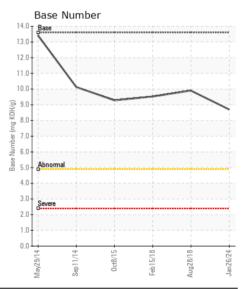
JOHN DEERE ENGINE OIL PLU	JS 50 II 15W	40 (8	QTS)				
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
TESSIMETES/CHOIC	Sample Number		Client Info		JR0189324	JRMC452698	JRMC456744
Resample at the next service interval to monitor.	Sample Date		Client Info		26 Jan 2024	28 Aug 2018	15 Feb 2018
	Machine Age	hrs	Client Info		10697	5924	5469
	Oil Age	hrs	Client Info		500	500	500
	Filter Age	hrs	Client Info		500	500	500
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAD	lunu.		AOTA DE40E		40	40	
WEAR	Iron	ppm	ASTM D5185m		10	18	11
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	0	<1
	Nickel	ppm	ASTM D5185m	>5	0	1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		1	4	6
	Lead	ppm	ASTM D5185m		0	<1	<1
	Copper	ppm	ASTM D5185m		1	<1	2
	Tin	ppm	ASTM D5185m	>4	0	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>22	2	4	5
	Potassium	ppm	ASTM D5185m	>20	2	3	2
	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
	Soot %	%	*ASTM D7844	>3	0.3	0.5	0
	Nitration	Abs/cm	*ASTM D7624	>20	6.6	8.1	7.
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.5	22.1	19.
	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	>0.21	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>31	0	3	2
	Boron	ppm	ASTM D5185m		15	175	207
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		67	207	224
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m		838	736	722
	Calcium	ppm	ASTM D5185m		1165	1402	1198
	Phosphorus	ppm	ASTM D5185m		918	760	756
	Zinc	ppm	ASTM D5185m		1224	1025	829
	Sulfur	ppm	ASTM D5185m		2995	2560	2978
	Oxidation	Abs/.1mm	*ASTM D3163111	>25	13.6	16.5	15.
	Base Number (BN)				8.7	9.9	9.53
	Visc @ 100°C		ASTM D2696 ASTM D445			14.41	14.51
	visc @ 100°C	cSt	MOTIVI D445	15.4	13.4	14.41	14.51













Laboratory Sample No.

Lab Number : 06087126

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0189324

Received

Tested Diagnosed

: 14 Feb 2024 : 14 Feb 2024 - Don Baldridge

: 13 Feb 2024

Unique Number : 10874571 Test Package : CONST (Additional Tests: TBN)

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)

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Report Id: CARCLO [WUSCAR] 06087126 (Generated: 02/14/2024 12:33:49) Rev: 1

Contact/Location: ROY TAYLOR - CARCLO

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CLOVER, SC

US 29710

6213 OAK RIDGE RD

Contact: ROY TAYLOR