WEAR CONTAMINATION FLUID CONDITION

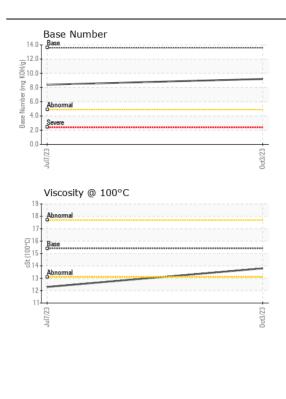
NORMAL NORMAL NORMAL

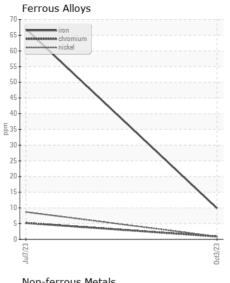
[16W14674]

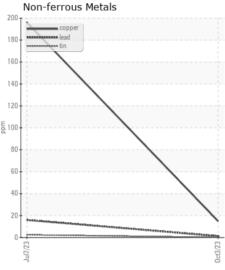
JOHN DEERE 748L 1DW748LBCNF714000

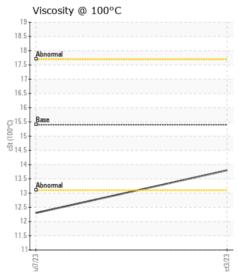
Component Diesel Engine

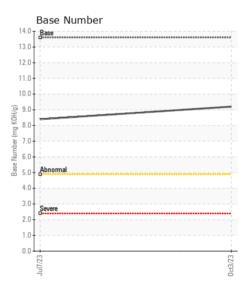
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor. (Customer Sample Comment: 16W14674)	Sample Number		Client Info	071011	JR0185435	JR0098278	
	Sample Date		Client Info		03 Oct 2023	07 Jul 2023	
	Machine Age	hrs	Client Info		2536	2105	
	Oil Age	hrs	Client Info		431	482	
	Filter Age	hrs	Client Info		431	482	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	ABNORMAL	
VEAR	Iron	nnm	ASTM D5185m	<u> </u>	10	<u>^</u> 67	
VEAN		ppm					
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		<1	5	
	Nickel	ppm	ASTM D5185m	>5	<1	<u> </u>	
	Titanium	ppm	ASTM D5185m		0	<1	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m		4	13	
	Lead	ppm	ASTM D5185m		1	16	
	Copper	ppm	ASTM D5185m		15	<u>196</u>	
	Tin	ppm	ASTM D5185m	>4	<1	2	
	Vanadium	ppm	ASTM D5185m		<1	<1	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
ONTAMINATION	Silicon	ppm	ASTM D5185m	>22	7	14	
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	5	32	
	Fuel		WC Method	>2.1	<1.0	0.4	
	Water		WC Method	>0.21	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.6	1.6	
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	12.7	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.1	29.1	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	
LUID CONDITION	Sodium	nnm	ASTM D5185m	\31	2	9	
ESID SONDITION	Boron	ppm	ASTM D5185m	- 01	170	25	
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	<1	
	Molybdenum	ppm	ASTM D5185m		252	273	
	Manganese	ppm	ASTM D5185m		<1	6	
	Magnesium	ppm	ASTM D5185m		866	928	
	Calcium	ppm	ASTM D5185m		1393	1621	
	Phosphorus	ppm	ASTM D5185m		890	967	
	Zinc	ppm	ASTM D5185m		1095	1199	
	Sulfur		ASTM D5185m			3362	
	Oxidation	ppm Abs/1mm	*ASTM D5185m	> 2F	2994		
	Base Number (BN)	Abs/.1mm			16.2 9.2	24.4 8.4	
	Dase Mulliber (DIV)	IIIU NUH/0	MO 1 IVI DZ090	10.0	5.2	0.4	













Laboratory Sample No. Lab Number Unique Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0185435 : 05970708

: 10682658

Recieved Diagnosed

: 05 Oct 2023 : 09 Oct 2023 Diagnostician : Don Baldridge

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)

JRE - MOUNT GILEAD 305 NORTH MAIN STREET MOUNT GILEAD, NC

US 27306

Contact: TIM ELSWORTH telsworth@jamesriverequipment.com

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