WEAR CONTAMINATION FLUID CONDITION

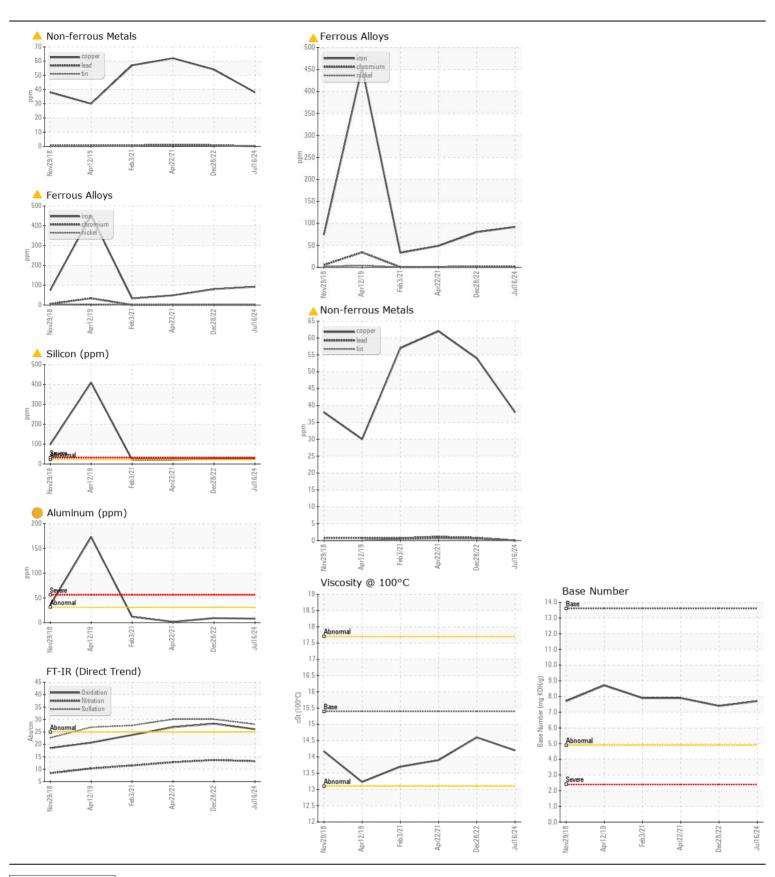
ABNORMAL ABNORMAL NORMAL

Machine Id

JOHN DEERE 333G 1T0333GMKHF309893

Diesel Engine

Toct	UOM	Method	Limit/Abn	Current	Hictory	Hictory?
Test	UOIVI		LIIIIII/ADII		History1	History2
•						JR0068088 22 Apr 2021
	hre					3414
						0
						0
- J	1113			-		Changed
						Changed
Sample Status		Oliciti IIIIo		ABNORMAL	0	
Iron	ppm	ASTM D5185m	>51	<u>^</u> 92	<u>^</u> 80	49
Chromium	ppm	ASTM D5185m	>11	1	1	<1
Nickel	ppm	ASTM D5185m	>5	0	0	0
Titanium	ppm	ASTM D5185m		<1	<1	<1
Silver	ppm	ASTM D5185m	>3	0	0	<1
Aluminum	ppm	ASTM D5185m	>31	<u> </u>	9	2
Lead	ppm	ASTM D5185m	>26	0	<1	1
Copper	ppm	ASTM D5185m	>26	△ 38	<u></u> 54	△ 62
Tin	ppm	ASTM D5185m	>4	0	<1	<1
Vanadium	ppm	ASTM D5185m		0	<1	<1
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	ppm	ASTM D5185m	>22	<u> </u>	<u> </u>	21
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	8.0	0.8	0.6
Nitration	Abs/cm	*ASTM D7624	>20	13.2	13.7	12.8
Sulfation	Abs/.1mm		>30	28.1	30.1	30.1
Silt	scalar		NONE	NONE	NONE	NONE
Debris	scalar	*Visual	NONE			NONE
Sand/Dirt	scalar	*Visual	NONE			NONE
						NORML
						NORML
Emulsified Water	scalar	*Visual	>0.21	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>31	4	3	5
Boron	ppm	ASTM D5185m		59	27	71
Barium	ppm	ASTM D5185m		<1	0	<1
Molybdenum	ppm	ASTM D5185m		249	258	253
Manganese	ppm	ASTM D5185m		1	1	1
Magnesium	ppm	ASTM D5185m		835	752	789
Calcium	ppm	ASTM D5185m		1736	1838	1456
Phosphorus	ppm	ASTM D5185m		981	1013	852
Zinc	ppm	ASTM D5185m		1167	1252	1049
	ppm	ASTM D5185m		3253	3263	2262
Sulfur						
Sultur Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		26.1 7.7	28.3 7.4	26.9 7.9
	Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Scalar Sand/Dirt Sandar Sand/Dirt Sandar Sodium Pom Boron Barium Manganese Magnesium Ppm Phosphorus Pirs Pirs Pirs Pirs Pirs Pirs Pirs Pir	Sample Date Machine Age Oil Age hrs Client Info Client Info Oil Age hrs Client Info Etien Lead	Sample Date Machine Age Machine Age Mrs Client Info Oil Age Mrs Client Info Client Info Filter Age Mrs Client Info Client Info Oil Changed Client Info Filter Changed Sample Status Iron ppm ASTM D5185m Silver NONE ASTM D5185m Silver ppm ASTM D5185m Silver ppm ASTM D5185m Silver ppm ASTM D5185m Silver NONE Tin ppm ASTM D5185m Silver NONE Vanadium ppm ASTM D5185m Silver NONE Silicon ppm ASTM D5185m Silver Potassium ppm ASTM D5185m Silver Potassium ppm ASTM D5185m Silver Abs/cm Silver Abs/cm Silver Abs/cm Silver Abs/lmm ASTM D7624 Silver ASTM D7624 Silver Scalar Silver Abs/lmm ASTM D7624 Silver ASTM D764 Silver ASTM	Sample Date Client Info 16 Jul 2024 Machine Age hrs Client Info 1583 Oil Age hrs Client Info 0 Filter Age hrs Client Info 0 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status ASTM D5185m S51 Age Iron ppm ASTM D5185m >51 Age Chromium ppm ASTM D5185m >11 1 Nickel ppm ASTM D5185m >5 0 Titanium ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >3 0 Copper ppm ASTM D5185m >3 0 Copper ppm	Sample Date Machine Age hrs Client Info 1583 1033





Certificate L2367

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : JR0211763 Lab Number : 06238941

Unique Number : 11127775

Received **Tested** Diagnosed

: 17 Jul 2024 : 18 Jul 2024

: 19 Jul 2024 - Sean Felton

JRE - ASHLAND 11047 LEADBETTER RD ASHLAND, VA US 23005

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

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. F: (804)798-0292 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)