WEAR
CONTAMINATION
FLUID CONDITION

NORMAL NORMAL

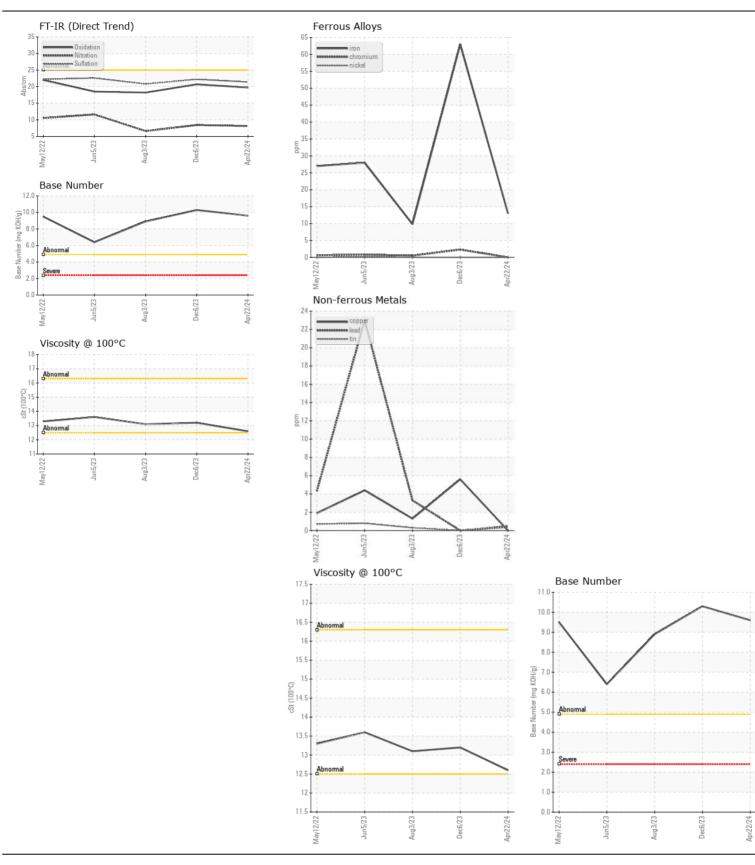
Area



## Ascendum Machinery/250 Hour CSA JOHN DEERE 550K 1862 (S/N 309170)

Diesel Engine

RECOMMENDATION Test UOM Method Limit/			
	on Current	History1	History2
Sample Number Client Info	ASC0007481	ASC0005120	ASC0000237
Resample at the next service interval to monitor.  Sample Date  Client Info	22 Apr 2024	06 Dec 2023	03 Aug 2023
Machine Age hrs Client Info	7773	7534	5472
Oil Age hrs Client Info	239	2062	250
Filter Age hrs Client Info	0	0	250
Oil Changed Client Info	Changed	Changed	Changed
Filter Changed Client Info	Changed	Changed	Changed
Sample Status	NORMAL	NORMAL	NORMAL
WEAR Iron ppm ASTM D5185m >51	13	63	10
Chromium ppm ASTM D5185m >11	0	2	<1
All component wear rates are normal.  Nickel ppm ASTM D5185m >5	0	0	0
Titanium ppm ASTM D5185m	0	0	<1
Silver ppm ASTM D5185m >3	0	3	0
Aluminum ppm ASTM D5185m >31	2	7	1
Lead ppm ASTM D5185m >26	<1	0	3
Copper ppm ASTM D5185m >26	0	6	1
Tin ppm ASTM D5185m >4	<1	0	<1
Vanadium ppm ASTM D5185m	0	0	<1
White Metal scalar *Visual NON	NONE	NONE	NONE
Yellow Metal scalar *Visual NON	E NONE	NONE	NONE
CONTAMINATION Silicon ppm ASTM D5185m >22	6	13	6
Potassium ppm ASTM D5185m >20	0	0	<1
There is no indication of any contamination in the oil.  Fuel  WC Method >2.1	<1.0	<1.0	<1.0
Water WC Method >0.2		NEG	NEG
Glycol WC Method	NEG	NEG	NEG
Soot % % *ASTM D7844 >3	0.5	0.7	0.4
Nitration Abs/cm *ASTM D7624 >20	8.1	8.4	6.6
Sulfation Abs/.1mm *ASTM D7415 >30	21.4	22.2	20.8
Silt scalar *Visual NON	NONE	NONE	NONE
Debris scalar *Visual NON	NONE	NONE	NONE
Sand/Dirt scalar *Visual NON	NONE	NONE	NONE
Appearance scalar *Visual NOR	L NORML	. NORML	NORML
Odor scalar *Visual NOR	□ NORML	NORML	NORML
Emulsified Water   scalar   *Visual   >0.2	NEG	NEG	NEG
FLUID CONDITION Sodium ppm ASTM D5185m >31	1	5	3
Boron ppm ASTM D5185m	50	1	36
The BN result indicates that there is suitable alkalinity remaining in the	0	0	0
oil. The condition of the oil is suitable for further service.    Data   Point Street   Point St	44	63	41
Manganese ppm ASTM D5185m	0	<1	<1
Magnesium ppm ASTM D5185m	486	968	500
Calcium ppm ASTM D5185m	1727	1181	1671
Phosphorus ppm ASTM D5185m	968	1046	902
	1150	1300	1114
Zinc ppm ASTM D5185m		2452	
	3259	2432	3315
Zinc ppm ASTM D5185m	3259 19.7	20.7	18.2
Zinc         ppm         ASTM D5185m           Sulfur         ppm         ASTM D5185m			







Certificate L2367

Laboratory Sample No.

Lab Number : 06160100 Unique Number: 10995523 Test Package : CONST ( Additional Tests: TBN )

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ASC0007481 Received : 25 Apr 2024

**Tested** : 26 Apr 2024 Diagnosed

: 26 Apr 2024 - Wes Davis

TRIANGLE GRADING AND PAVING INC

1521 Huffman Mill Rd BURLINGTON, NC US 27216

Contact: ADAM CORBETT wacorbett@trianglegradingpaving.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.

T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (336)584-0145