

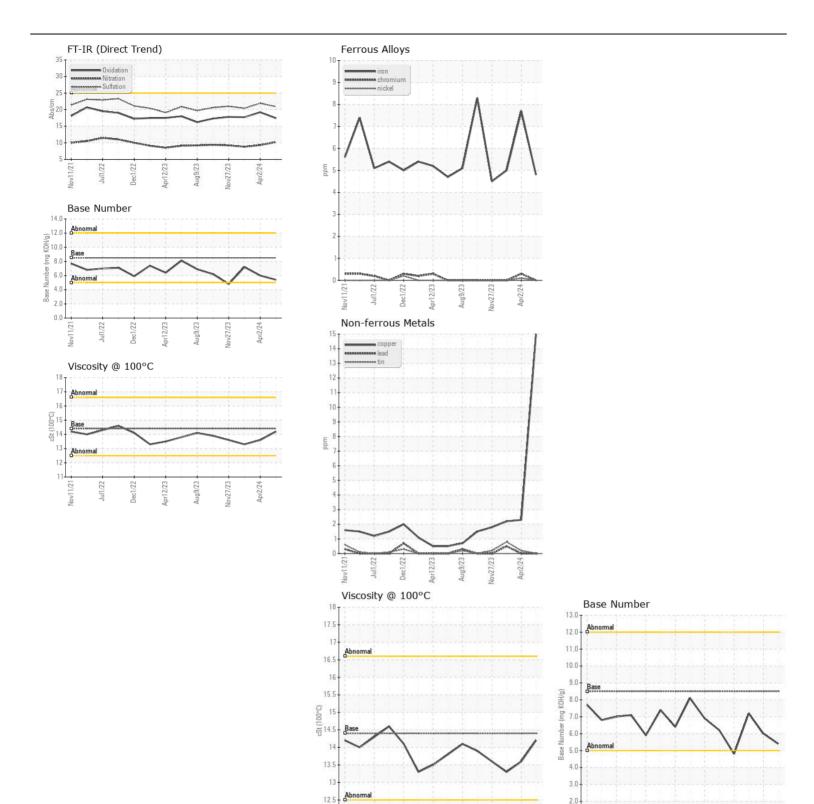
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

1719
Component
Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0887549	HRE0000120	WC0810318
Sample Date		Client Info		05 Jun 2024	02 Apr 2024	30 Jan 202
Machine Age	mls	Client Info		227054	0	0
Oil Age	mls	Client Info		6000	0	0
Filter Age	mls	Client Info		6000	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
Iron	nnm	ASTM D5185m	>100	5	8	5
						0
						0
			77			0
			~3			0
						2
						<1
				-		2
						<1
			710	-		0
			NONE	_	-	NONE
Yellow Metal				NONE		NONE
					8	6
	ppm				1.0	3
						<1.0
			>0.2			NEG
-	0/		0			NEG
						0.3
						8.8
						20.4
						NONE
						NONE
						NONE
						NORM
						NORM NEG
	Scalai	Visuai	<i>></i> 0.2			INLO
Sodium	ppm			3	4	4
	ppm				91	21
	ppm				<1	0
	ppm		100			61
	ppm					<1
Magnesium	ppm			120	328	337
	ppm					1645
Phosphorus	ppm			1136		988
Zinc	ppm	ASTM D5185m		1472	1095	1175
	ppm	ASTM D5185m	4250	4759	2918	3114
Sulfur	ppiii					
Sulfur Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896	>25	17.4 5.4	19.2 6.0	17.7 7.2
	Sample Number 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 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 Number Sample Date Machine Age mls Oil Age mls Filter Age mls Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium calcium ppm Calcium ppm Phosphorus	Sample Number Sample Date Machine Age Oil Age Mls Client Info Client Info Client Info Client Info Machine Age Mls Client Info Client Info Client Info Filter Age Oil Changed Filter Changed Sample Status Iron Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Titanium Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Tin Ppm ASTM D5185m Vanadium Ppm ASTM D5185m Visual Silicon Ppm ASTM D5185m Potassium Ppm ASTM D5185m Fuel WC Method Water WC Method Water WC Method Soot % Abs/.1mm ASTM D7624 Sulfation Abs/.1mm ASTM D5185m Potisual Sand/Dirt Scalar *Visual Appearance Scalar *Visual	Sample Number Sample Date Machine Age MIS Client Info Machine Age MIS Client Info Oil Age MIS Client Info Client Info Oil Age MIS Client Info Client Info Oil Changed Filter Age MIS Client Info Client Info Client Info Client Info Filter Changed Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Silver NoNE Copper ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m Visual NONE Silicon ppm ASTM D5185m S20 Potassium ppm ASTM D5185m S20 Potassium ppm ASTM D5185m S20 Fuel WC Method Sot WC Method Sot WC Method Soot WC Method Soot WC Method Soot WC Method Soot Silt Scalar Visual NONE Silt Scalar Visual NONE Sulfation Abs/cm Abs/cm ASTM D7624 S20 Sulfation Abs/cm Abs/cm Visual NONE Sand/Dirt Scalar Scalar Visual NONE Scalar	Sample Number Client Info WC0887549 Sample Date Client Info 05 Jun 2024 Machine Age mls Client Info 227054 Oil Age mls Client Info 6000 Filter Age mls Client Info 6000 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >100 5 Chromium ppm ASTM D5185m >20 0 Nickel ppm ASTM D5185m >4 0 Titanium ppm ASTM D5185m >3 0 Aluminum ppm ASTM D5185m >20 3 Lead ppm ASTM D5185m >20 3 Lead ppm ASTM D5185m >20 3 Vanadium ppm ASTM D5185m >40 0 Copper ppm ASTM D5185m >20 3 </td <td> Sample Number Sample Date Client Info Client Info O2 Jun 2024 O2 Apr 2024</td>	Sample Number Sample Date Client Info Client Info O2 Jun 2024 O2 Apr 2024







Certificate L2367

Laboratory Sample No.

Lab Number : 06213234

: WC0887549 Unique Number : 11086098

11.5

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Jun 2024 **Tested** : 19 Jun 2024

Apr2/24

Nov11/21

Diagnosed : 19 Jun 2024 - Wes Davis

Dec1/22

Test Package : FLEET 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)

TOWN OF CHAPEL HILL

Nov27/23

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