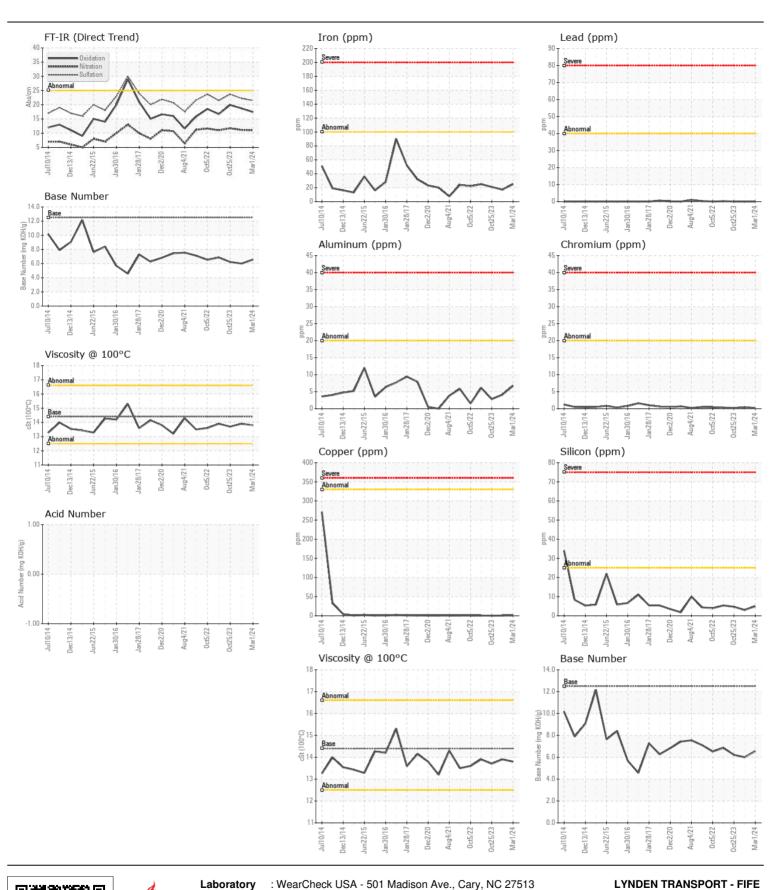
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL** NORMAL **NORMAL**

Machine Id

CAPACITY 913

Component
Diesel Engine

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0844151	WC0844177	WC077898
Sample Date		Client Info		01 Mar 2024	25 Jan 2024	25 Oct 202
Machine Age	hrs	Client Info		18771	18202	17479
Oil Age	hrs	Client Info		450	450	450
Filter Age	hrs	Client Info		450	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Filter Changed		Client Info		Changed	Changed	Changed
Sample Status				ABNORMAL	NORMAL	NORMAL
Iron	nnm	ACTM DE10Em	. 100	05	17	21
						<1
			>4			<1
			~3			0
						3
						0
	• • • • • • • • • • • • • • • • • • • •			-		0
Tin				0	<1	<1
Vanadium				0	0	0
White Metal	scalar	*Visual	NONE	▲ MODER	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	• • • • • • • • • • • • • • • • • • • •					5
	ppm					2
						<1.0
			>0.2			NEG
-	0/		. 0			NEG
						0.5
						23.7
						NONE
						NONE
						NONE
						NORM
Odor	scalar	*Visual	NORML		NORML	NORM
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		4	0	<1
	ppm					44
	ppm					0
-			250			2
			0			<1
•						743
						1295
						705
						807
Oxidation	Abs/.1mm	*ASTM D5185m		3549 17.4	18.7	2924 19.9
UXIUATIUH	MN9/.	4011VI D/414	>25	17.4	10.7	13.3
Base Number (BN)	ma K∩⊔/~	ASTM D2896	12.5	6.56	6.00	6.22
	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 Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs 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 Potassium 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 Phosphorus Zinc ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm Sulfur ppm	Sample Number Sample Date Machine Age Oil Age hrs Client Info Filter Age Oil Changed Filter Changed Sample Status Iron Ppm ASTM D5185m Chromium Ppm ASTM D5185m Nickel Ppm ASTM D5185m Nickel Ppm ASTM D5185m Aluminum Ppm ASTM D5185m Copper Ppm ASTM D5185m Tin Ppm ASTM D5185m Vanadium Ppm ASTM D5185m White Metal Yellow Metal Scalar Yellow Metal Silicon Popm ASTM D5185m Fuel WC Method Water Glycol WC Method Soot % Nitration Abs/cm Abs/cm ASTM D5185m Potassium Pom ASTM D5185m Fuel WC Method Water WC Method Soot % Nitration Abs/cm Abs/lmm ASTM D7624 Sulfation Abs/lmm ASTM D5185m Potasalar *Visual Sand/Dirt Scalar *Visual Sand/Dirt Scalar *Visual Sand/Dirt Scalar *Visual Sand/Dirt Scalar *Visual Appearance Scalar *Visual Sand/Dirt Scalar *Visual Appearance Scalar *Visual	Sample Number Sample Date Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Changed Filter Changed Sample Status Iron Chromium ppm ASTM D5185m Silver ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar Yoisual NONE Yellow Metal Scalar Yoisual NONE Yellow Metal Scalar WC Method Soot WC Method Soot WC Method Soot WC Method Soot Soot WC Method Soot Soot WC Method Soot Soot Soot Soot Soot Soot Soot So	Sample Number Client Info WC0844151 Sample Date Client Info 01 Mar 2024 Machine Age hrs Client Info 18771 Oil Age hrs Client Info 450 Filter Age hrs Client Info 450 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status Client Info Changed Iron ppm ASTM D5185m >100 Sample Status ABNORMAL Iron ppm ASTM D5185m >20 <1	Sample Number Client Info Sample Date Client Info 118771 25 Jan 2024





Certificate L2367

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0844151 Lab Number : 06211959

Unique Number: 11084823

Received **Tested** Diagnosed Test Package : MOB 2 (Additional Tests: TAN Man)

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

: 19 Jun 2024

: 17 Jun 2024

: 19 Jun 2024 - Don Baldridge

Contact: CHESTER ANGLEMYER chestera@ltia.lynden.com

T: (253)926-7245

5410 12TH STREET EAST

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: (253)926-7249

FIFE, WA

US 98424