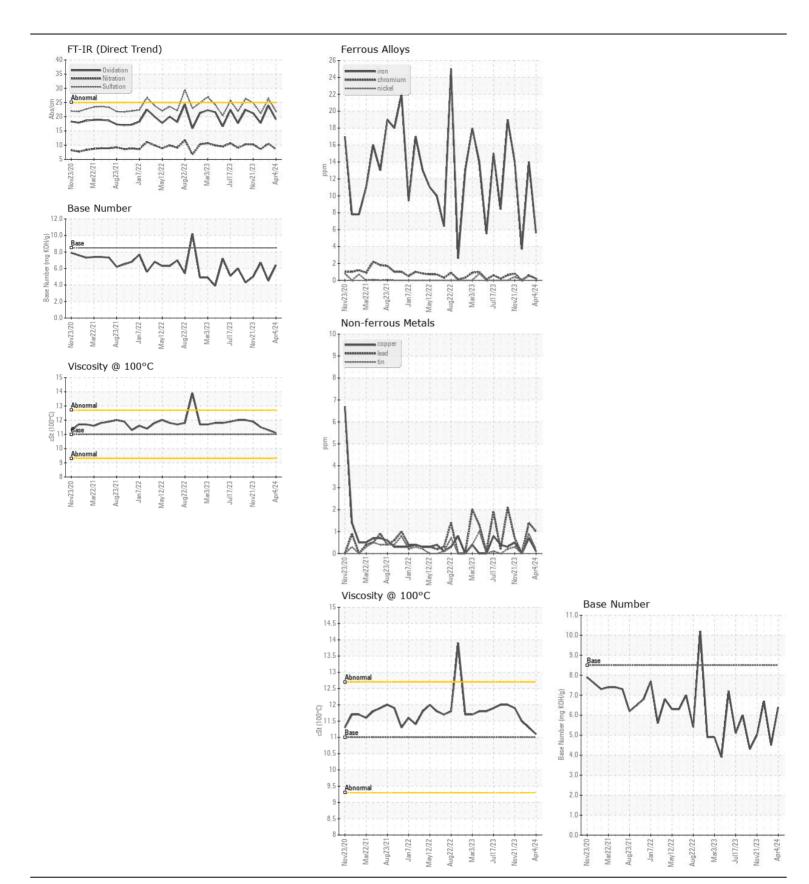
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

22155 Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0909717	WC0866858	WC086691
	Sample Date		Client Info		04 Apr 2024	06 Feb 2024	01 Jan 202
	Machine Age	hrs	Client Info		313	8234	14030
	Oil Age	hrs	Client Info		313	8234	335
	Filter Age	hrs	Client Info		313	8234	335
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
MEAD	Iron	nnm	ASTM D5185m	. 100	c	14	4
WEAR	Iron	ppm			6		4
All component wear rates are normal.	Chromium Nickel	ppm	ASTM D5185m ASTM D5185m		<1 <1	<1	0
	Titanium	ppm	ASTM D5185m	>4	<1	<1 <1	0
	Silver	ppm	ASTM D5185m	. 2	0	0	0
	Aluminum	ppm	ASTM D5185m		1	2	1
	Lead	ppm	ASTM D5185m		1	1	0
	Copper	ppm	ASTM D5185m		<1	<1	0
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m	710	<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m		2	4	3
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	7	5
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method	-	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.2	0.5	0.2
	Nitration	Abs/cm	*ASTM D7624	>20	8.6	10.5	8.6
	Sulfation	Abs/.1mm	*ASTM D7415		21.9	26.3	21.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML	NONE NORML	NONE
	Appearance Odor	scalar scalar	*Visual	NORML NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
<u></u>	Liliuisilleu watei	Scalai	Visuai	>0.2			INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	0	0
The DNI was all in diseases that the walls a vitable all relimits a was in its the	Boron	ppm	ASTM D5185m	269	132	86	144
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	13	0
	Molybdenum	ppm	ASTM D5185m	0	3	5	3
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		20	26	35
	Calcium	ppm	ASTM D5185m		2230	2081	2043
	Phosphorus	ppm	ASTM D5185m		982	918	1016
	Zinc	ppm	ASTM D5185m	893	1163	1129	1144
	Sulfur	ppm	ASTM D5185m		3935	3569	3293
	Oxidation	Abs/.1mm	*ASTM D7414		19.1	24.0	17.8
	Base Number (BN)				6.4	4.5	6.7 11.5
	Visc @ 100°C	cSt	ASTM D445		11.1	11.3	







Certificate L2367

Laboratory Sample No.

: WC0909717 Lab Number : 06145620 Unique Number : 10970428 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 11 Apr 2024 **Tested**

: 12 Apr 2024 Diagnosed : 14 Apr 2024 - Don Baldridge

GUY M TURNER & TURNER TRANSFER

4505 SOUTH HOLDEN ROAD

GREENSBORO, NC US 27406

Contact: ROGER HIXSON rhixson@guymturner.com T: (336)294-4660

* - 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) F: (336)294-6644