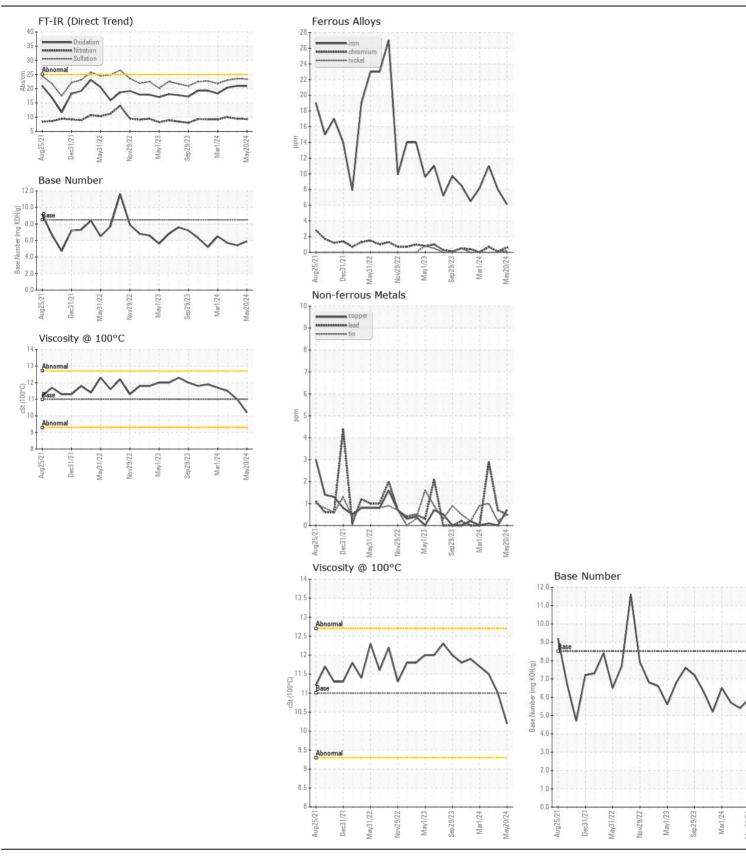
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

22195 Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Sample Number		Client Info		WC0909690	WC0909716	WC090977
	Sample Date		Client Info		20 May 2024	10 Apr 2024	08 Mar 202
	Machine Age	hrs	Client Info		4662	8088	167396
	Oil Age	hrs	Client Info		4662	464	5458
	Filter Age	hrs	Client Info		4662	464	5458
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	nnm	ASTM D5185m	> 100	e	8	11
VEAN	Chromium	ppm	ASTM D5185m		6 <1		<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1 <1	<1 0	0
	Titanium	ppm	ASTM D5185m	>4	<1	0	<1
	Silver		ASTM D5185m	~3	<1	0	<1
	Aluminum	ppm	ASTM D5185m		1	2	3
	Lead	ppm	ASTM D5185m		<1	<1	3
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m		<1	<1	1
	Vanadium	ppm	ASTM D5185m	7.0	<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTARMINIATION	0.11.		AOTA DE LOS	05		4	
CONTAMINATION	Silicon	ppm	ASTM D5185m		4	4	4
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m		5	6	7
			WC Method		<1.0 NEG	<1.0 NEG	<1.0 NEG
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	%	*ASTM D7844	. 2	0.2	0.3	0.4
	Nitration	Abs/cm	*ASTM D7644	>20	9.3	9.4	10.0
	Sulfation	Abs/.1mm	*ASTM D7024		23.4	23.5	23.0
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUD CONDITION							
FLUID CONDITION	Sodium	ppm	ASTM D5185m	000	<1	2	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m	269	74	119	95
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m	0	0	0	0
	Molybdenum	ppm	ASTM D5185m ASTM D5185m	U	20 0	3 <1	4 <1
	Manganese Magnesium	ppm	ASTM D5185m	20	274	27	22
	Calcium	ppm ppm	ASTM D5185m		1665	2375	2140
	Phosphorus	ppm	ASTM D5185m		849	1084	952
	Zinc	ppm	ASTM D5185m		1098	1287	1185
	Sulfur	ppm	ASTM D5185m	000	3152	4143	4011
	Oxidation	Abs/.1mm	*ASTM D7414	>25	20.9	21.0	20.4
	Base Number (BN)				5.9	5.4	5.7







Certificate L2367

Laboratory Sample No.

Lab Number : 06188697

: WC0909690 Unique Number : 11045449 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024

: 24 May 2024 **Tested** Diagnosed

: 24 May 2024 - Wes Davis

GUY M TURNER & TURNER TRANSFER 4505 SOUTH HOLDEN ROAD

GREENSBORO, NC US 27406

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

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)

F: (336)294-6644