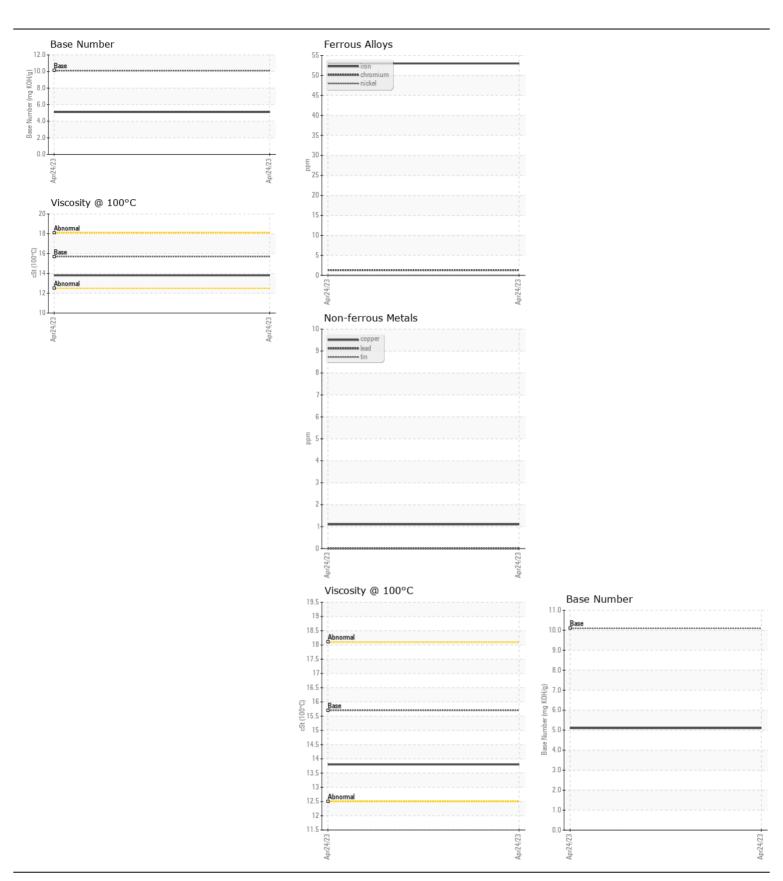
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

NOT GIVEN WC0691321

Component Diesel Engine

DECOMMENDATION.	- .				(<u> </u>		
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		WC0691321		
	Sample Date		Client Info		24 Apr 2023		
	Machine Age	mls	Client Info		137583		
	Oil Age	mls	Client Info		9601		
	Filter Age	mls	Client Info		9601		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	53		
WEAR	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	\3	0		
	Aluminum	ppm	ASTM D5185m		15		
	Lead	ppm	ASTM D5185m		0		
	Copper	ppm	ASTM D5185m		1		
	Tin	ppm	ASTM D5185m		0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6		
	Potassium	ppm	ASTM D5185m	>20	6		
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.9		
	Nitration	Abs/cm	*ASTM D7624	>20	10.9		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.0		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
ELLUD CONDITION							
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		38		
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m	1.2	68		
	Manganese	ppm	ASTM D5185m	0.4	1		
	Magnesium	ppm	ASTM D5185m		438		
	Calcium	ppm	ASTM D5185m		1909		
	Phosphorus	ppm	ASTM D5185m		1062		
	Zinc	ppm	ASTM D5185m		1370		
	Sulfur	ppm	ASTM D5185m		3562		
	Oxidation	Abs/.1mm	*ASTM D7414		21.7		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	5.1		







Certificate L2367

Laboratory Sample No. Lab Number

: WC0691321 : 05833199 Unique Number : 10446692 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Recieved : 28 Apr 2023 : 01 May 2023

Diagnosed Diagnostician : Wes Davis **CARCO TRANSPORTATION** 415 S WESTERN AVENUE

OKLAHOMA CITY, OK US 73109

Contact: VICTOR STACHONIAK

victors@carcotrans.com T: (405)239-2555

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)

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