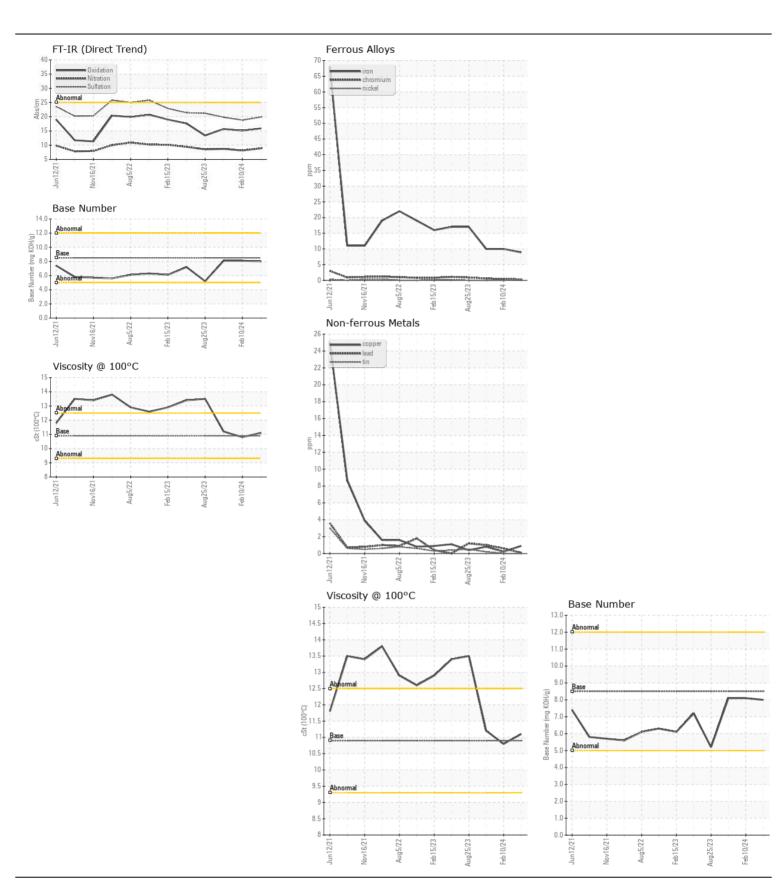
**WEAR** CONTAMINATION **FLUID CONDITION** 

**NORMAL NORMAL NORMAL** 

Machine Id

## 3807 Component Diesel Engine

DIESEL ENGINE OIL SAE 10W30 ( QTS)							
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. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number	UCIVI	Client Info	LIIIIII/AUII	WC0916542	WC0878569	WC0854051
	Sample Date		Client Info		18 May 2024	10 Feb 2024	18 Nov 2023
	Machine Age	mls	Client Info		333063	306213	265759
	Oil Age	mls	Client Info		26850	43246	22852
	Filter Age	mls	Client Info		26850	43246	22852
	Oil Changed	11110	Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				NORMAL	ATTENTION	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	9	10	10
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	0
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		- <1	<1	1
	Copper	ppm	ASTM D5185m	>330	<1	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	0	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	4	4
	Potassium	ppm	ASTM D5185m	>20	3	<1	<1
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	1.4	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.2	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	8.9	8.1	8.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	18.8	19.8
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	<1	2
The DN regult indicates that there is suitable alkalisity remaining in the	Boron	ppm	ASTM D5185m	250	10	<1	<1
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	10	0	0	0
	Molybdenum	ppm	ASTM D5185m	100	56	61	54
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	450	918	1058	906
	Calcium	ppm	ASTM D5185m		1134	1108	1173
	Phosphorus	ppm	ASTM D5185m		1081	1141	973
	Zinc	ppm	ASTM D5185m		1285	1376	1255
	Sulfur	ppm	ASTM D5185m		3628	3399	3079
	Oxidation	Abs/.1mm	*ASTM D7414		15.9	15.1	15.7
	Base Number (BN)				8.0	8.1	8.1
	Visc @ 100°C	cSt	ASTM D445	10.9	11.1	10.8	11.2







Certificate L2367

Laboratory Sample No.

: WC0916542 Lab Number : 06212887 Unique Number : 11085751 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Jun 2024 **Tested** : 19 Jun 2024

Diagnosed : 19 Jun 2024 - Wes Davis **CARCO TRANSPORTATION** 

3403 EAST ROOSEVELT ROAD LITTLE ROCK, AR US 72206

Contact: DENNIS CATES

denniscates@carcotrans.com T: (800)967-0777

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: