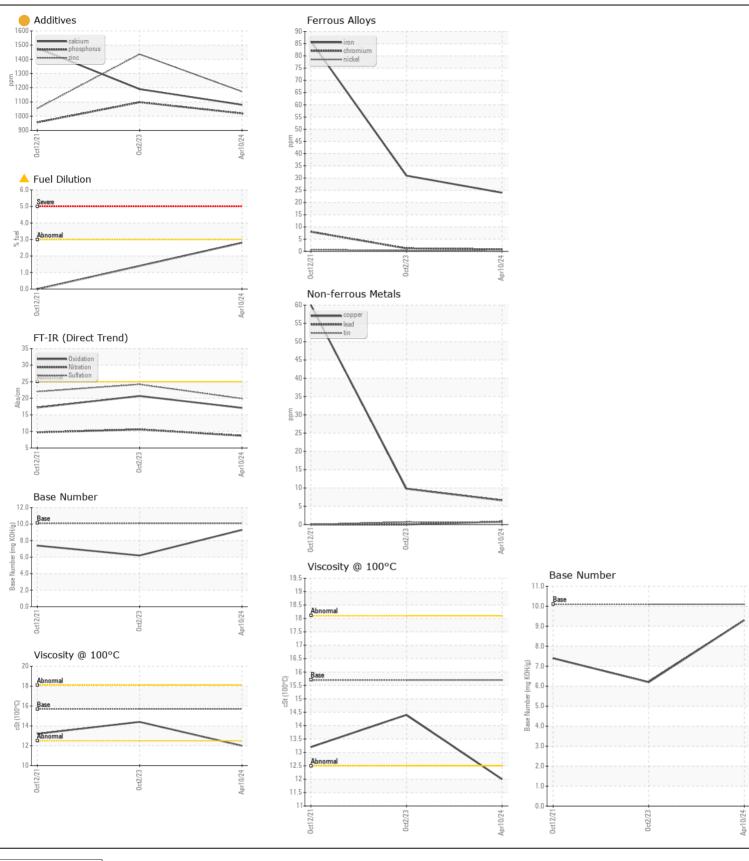
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL MARGINAL ATTENTION

Machine Id

FREIGHTLINER 40384

Diesel Engine	V40 (26 OTS)							
SHELL ROTELLA T 15V	V40 (36 Q13)							
RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
The oil change at the time of sampling has been noted. Confirm the source of the lubricant being utilized for top-up/fill. Resample at the next service interval to monitor. No other corrective action is		Sample Number		Client Info		WC0913880	WC0838138	WCM1273344
		Sample Date	mle	Client Info		10 Apr 2024	02 Oct 2023 220510	12 Oct 2021
		Machine Age	mls	Client Info		263108 25000		0
recommended at this time.		Oil Age Filter Age	mls mls	Client Info		25000	0	0
		Oil Changed	11115	Client Info		Changed	Changed	N/A
		Filter Changed		Client Info		Changed	Changed	N/A
		Sample Status		Oliciti IIIIo		ATTENTION	NORMAL	SEVERE
Oumpie Otatio								
WEAR		Iron	ppm	ASTM D5185m	>65	24	31	86
All .		Chromium	ppm	ASTM D5185m	>5	<1	1	8
All component wear rates are normal.		Nickel	ppm	ASTM D5185m	>3	0	<1	<1
		Titanium	ppm	ASTM D5185m	>5	<1	0	<1
		Silver	ppm	ASTM D5185m	>2	<1	0	<1
		Aluminum	ppm	ASTM D5185m	>35	4	8	▲ 102
		Lead	ppm	ASTM D5185m	>10	<1	0	0
		Copper	ppm	ASTM D5185m	>180	7	10	6 0
		Tin	ppm	ASTM D5185m	>8	<1	<1	0
		Vanadium	ppm	ASTM D5185m		<1	0	0
		White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
CONTAMINATION		Silicon	ppm	ASTM D5185m	\15	8	6	7
Light fuel dilution occurring. No other	r contaminants were detected in	Potassium	ppm	ASTM D5185m		5	21	<u>^</u> 213
		Fuel	%	ASTM D3524	>3.0	<u>▲</u> 2.8	<1.0	<1.0
the oil.		Water	, 0	WC Method		NEG	NEG	NEG
		Glycol		WC Method	7 0.2	NEG	NEG	NEG
		Soot %	%	*ASTM D7844	>3	0.2	0.8	0.5
		Nitration	Abs/cm		>20	8.7	10.6	9.7
		Sulfation	Abs/.1mm	*ASTM D7415	>30	19.9	24.2	22
	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	0	4
I LOID CONDITION		Boron	ppm	ASTM D5185m	316	<u>2</u>	2	26
Additive levels indicate the addition of	suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m		0	2	0
The BN result indicates that there is		Molybdenum	ppm	ASTM D5185m		62	69	66
oil. The condition of the oil is suitable		Manganese	ppm	ASTM D5185m		<1	<1	2
		Magnesium	ppm	ASTM D5185m	24	897	1004	1004
		Calcium	ppm	ASTM D5185m		<u>1080</u>	1190	1480
		Phosphorus	ppm	ASTM D5185m		1019	1098	956
		Zinc	ppm	ASTM D5185m		1173	1436	1054
		Sulfur	ppm	ASTM D5185m	4996	3523	3415	3842
		Oxidation	Abs/.1mm	*ASTM D7414		17.1	20.7	17.2
		Base Number (BN)	mg KOH/g	ASTM D2896	10.1	9.3	6.2	7.4
		Visc @ 100°C	cSt	ASTM D445	15.7	12.0	14.4	13.2







Certificate L2367

Laboratory Sample No.

Lab Number : 06194885

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0913880

Received **Tested** Unique Number : 11057008

: 29 May 2024 : 03 Jun 2024 Diagnosed

: 03 Jun 2024 - Wes Davis Test Package: FLEET (Additional Tests: FuelDilution, PercentFuel)

SALEM NATIONALEASE CORPORATION 198 PARK PLAZA DRIVE WINSTON SALEM, NC US 27105

> Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

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)

T: (336)767-9642 F: x: