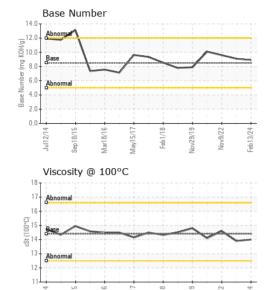
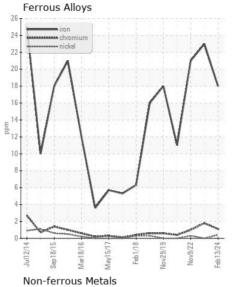
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

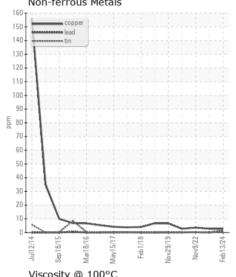
Machine Id FREIGHTLINER 45754

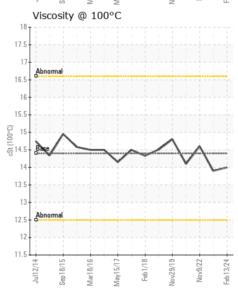
Component
Diesel Engine

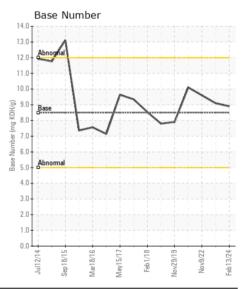
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0842046		WC0742338
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		13 Feb 2024	12 Jul 2023	09 Nov 202
	Machine Age	mls	Client Info		247351	227992	209780
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>200	18	23	21
	Chromium	ppm	ASTM D5185m	>6	1	2	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		10	11	6
	Lead	ppm	ASTM D5185m	>10	1	0	<1
	Copper	ppm	ASTM D5185m	>50	3	3	4
	Tin	ppm	ASTM D5185m	>6	<1	0	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>50	5	4	4
ONTAMINATION	Potassium	ppm	ASTM D5185m		2	2	1
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method	>3.0	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.7	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	8.3	8.7	10.1
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.2	19.7	23.3
	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	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	1	0	1
	Boron	ppm	ASTM D5185m		4	0	3
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	0	0
	Molybdenum	ppm	ASTM D5185m	100	64	64	64
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	981	949	1008
	Calcium	ppm		3000	1078	1111	1213
	Phosphorus	ppm	ASTM D5185m		1071	1020	1081
	Zinc	ppm	ASTM D5185m		1302	1241	1361
	Sulfur	ppm	ASTM D5185m	4250	3103	3208	3739
	Oxidation	Abs/.1mm	*ASTM D7414		15.5	14.8	17.9
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.9	9.1	9.6
	Visc @ 100°C	cSt		14.4		13.9	14.6













Certificate L2367

Laboratory Sample No.

Lab Number : 06099724

: WC0842046 Unique Number: 10897954 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 : 26 Feb 2024 : 27 Feb 2024 **Tested**

: 27 Feb 2024 - Wes Davis Diagnosed

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105 Contact: Audrey Hopkins

Audrey.Hopkins@salemcorp.com

* - 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: