WEAR CONTAMINATION **FLUID CONDITION**

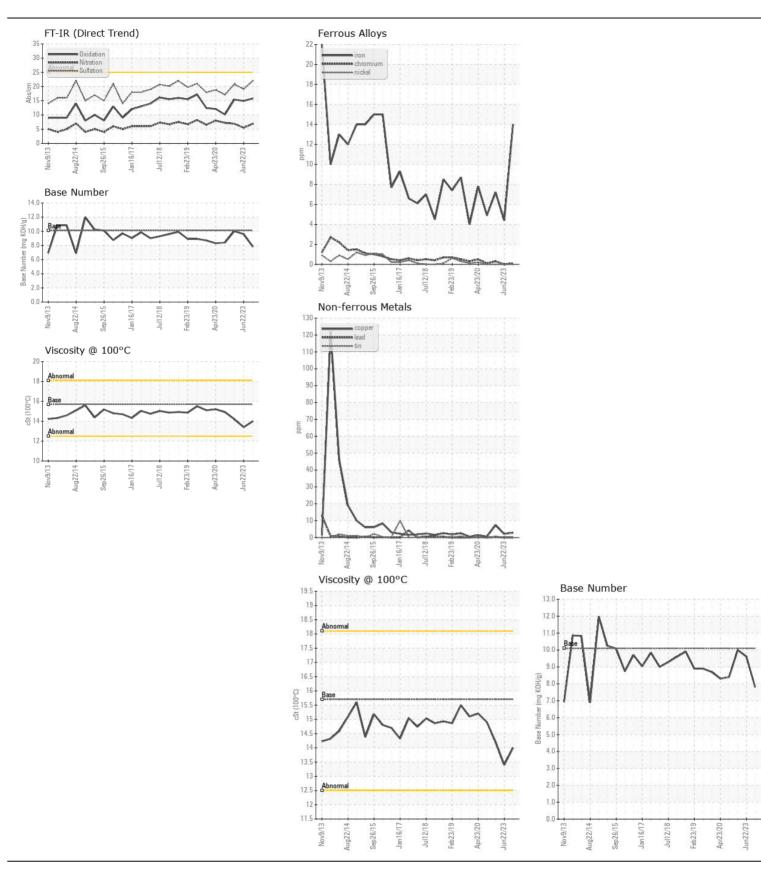
NORMAL NORMAL NORMAL

Machine Id

FREIGHTLINER 10215

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0925907	WC0820932	WC067081
	Sample Date		Client Info		19 Apr 2024	22 Jun 2023	17 Nov 202
	Machine Age	mls	Client Info		66457	43354	30916
	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	nnm	ASTM D5185m	√ 8∩	14	4	7
WLAIT	Chromium	ppm	ASTM D5185m		<1	0	<1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m	>2	0	0	0
	Silver		ASTM D5185m	~3	0	0	0
	Aluminum	ppm	ASTM D5185m		8	4	3
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m		3	2	7
	Tin	ppm	ASTM D5185m		0	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		6	2	3
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		3	5	0
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	WC Method	0	NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.4	0.2	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	6.9	5.5	6.9
	Sulfation	Abs/.1mm	*ASTM D7415		22.0	19.1	
	Silt Debris	scalar	*Visual	NONE	NONE	NONE	NONE
		scalar	*Visual *Visual	NONE	NONE NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE NORML	NORML	NONE NORML	NORM
	Appearance Odor	scalar scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
<u></u>	Linuisinea water		visuai	70.2			INLO
FLUID CONDITION	Sodium	ppm	ASTM D5185m		2	4	0
The DNI was all indicates that they are in a situable all all in its assertion in the	Boron	ppm	ASTM D5185m	316	282	0	0
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	4	0
	Molybdenum	ppm	ASTM D5185m	1.2	79	57	60
	Manganese	ppm	ASTM D5185m		0	0	<1
	Magnesium	ppm	ASTM D5185m	24	515	853	946
	Calcium	ppm	ASTM D5185m		1386	965	1084
	Phosphorus	ppm	ASTM D5185m	1064	1076	899	1011
	Zinc	ppm	ASTM D5185m	1160	1310	1134	1216
	Sulfur	ppm	ASTM D5185m		3845	3476	3687
	Oxidation	Abs/.1mm	*ASTM D7414		15.8	14.9	15.4
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	7.8	9.6	10.0
	Visc @ 100°C	cSt	ASTM D445		14.0	13.4	14.2







Certificate L2367

Laboratory Sample No.

: WC0925907 Lab Number : 06159682 Unique Number : 10995105 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 Apr 2024 **Tested** : 25 Apr 2024

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Diagnosed : 25 Apr 2024 - Wes Davis

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.

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