WEAR CONTAMINATION FLUID CONDITION

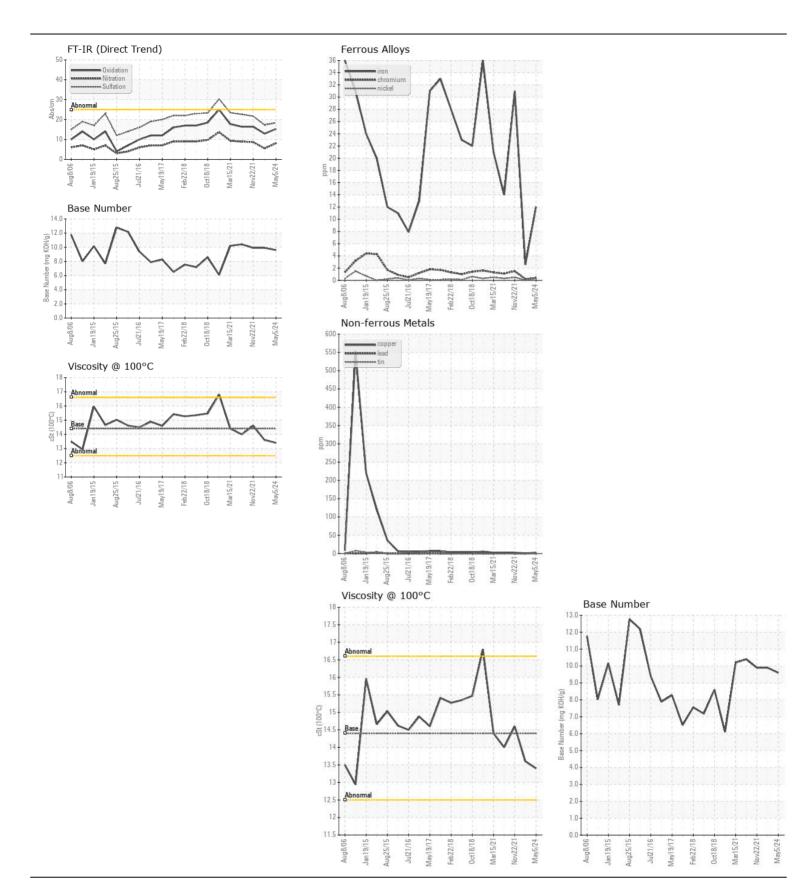
NORMAL NORMAL NORMAL

Machine Id

FREIGHTLINER 45812

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0925962	WC0820901	WC0633196
Resample at the next service interval to monitor.	Sample Date		Client Info		05 May 2024	18 Aug 2023	22 Nov 202
	Machine Age	mls	Client Info		563354	560931	556479
	Oil Age	mls	Client Info		0	0	25000
	Filter Age	mls	Client Info		0	0	25000
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>65	12	3	31
	Chromium	ppm	ASTM D5185m	>5	<1	<1	2
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	0	<1
	Silver	ppm	ASTM D5185m		<1	0	<1
	Aluminum	ppm	ASTM D5185m		4	0	14
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper	ppm	ASTM D5185m		2	<1	3
	Tin	ppm	ASTM D5185m		<1	0	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	Ciliaan		ACTM DE10Em	. 15		0	4
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		5 2	2	4
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	. 2	0.3	0.1	0.9
	Nitration	Abs/cm	*ASTM D7624	>20	8.1	5.5	8.7
	Sulfation	Abs/.1mm	*ASTM D7415		18.3	17.3	21.7
	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		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		0	1	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		11	0	3
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		62	38	60
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m		944	595	1036
	Calcium	ppm	ASTM D5185m		1081	681	1290
	Phosphorus	ppm	ASTM D5185m		1088	654	1026
	Zinc	ppm	ASTM D5185m		1280	791	1224
	Sulfur	ppm	ASTM D5185m	0.5	3921	2238	2969
	()vidation	Abs/.1mm	*ASTM D7414	>25	15.3	12.9	16.4
	Oxidation Base Number (BN)			7 = 0	9.6	9.9	9.9







Certificate L2367

Laboratory Sample No.

Lab Number : 06178164

: WC0925962 Unique Number : 11029490 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 13 May 2024 **Tested** : 14 May 2024

Diagnosed : 14 May 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105 Contact: Audrey Hopkins

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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: x: