WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

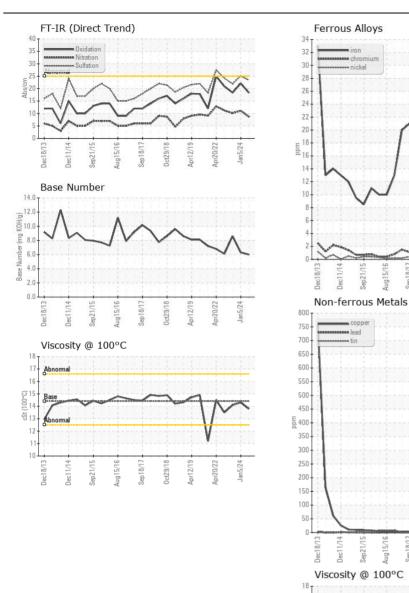
Machine Id

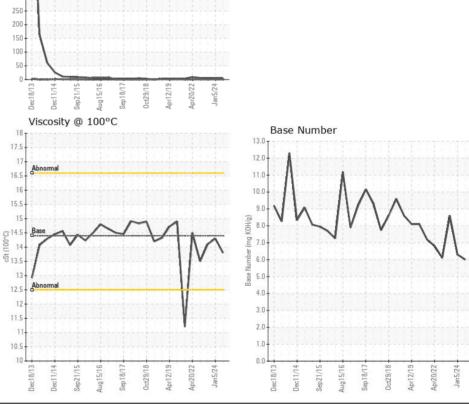
FREIGHTLINER 45752

Component
Diesel Engine

Fluid EVVON 15W40 (26 O

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0929317	WC0842016	WC079806
	Sample Date		Client Info		02 May 2024	05 Jan 2024	15 Jun 202
	Machine Age	mls	Client Info		536634	511323	480106
	Oil Age	mls	Client Info		0	0	18379
	Filter Age	mls	Client Info		0	0	18379
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	\65	27	29	20
WEAR	Chromium	ppm	ASTM D5185m		1	1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		1	<1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m		<1	<1	<1
	Aluminum	ppm	ASTM D5185m		10	9	4
	Lead	ppm	ASTM D5185m		<1	<1	0
	Copper	ppm	ASTM D5185m		4	4	5
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Ciliana		ACTM DE105	4.5	•	7	4
CONTAMINATION	Silicon	ppm	ASTM D5185m		9	7	4
There is no indication of any contamination in the oil.	Potassium Fuel	ppm	ASTM D5185m WC Method		-	<1.0	<1.0
	Water		WC Method		<1.0 NEG	NEG	NEG
	Glycol		WC Method	>0.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\ 3	0.7	1.1	0.6
	Nitration	Abs/cm		>20	8.7	11.1	10.1
	Sulfation	Abs/.1mm	*ASTM D7415		23.4	25.1	21.9
	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		19	<1	0
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		171	12	2
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		84	71	69
	Manganese	ppm	ASTM D5185m		<1 466	<1	<1
	Magnesium	ppm	ASTM D5185m		466	991	962
	Calcium	ppm	ASTM D5185m		1351	1129	1161
	Phosphorus Zinc	ppm	ASTM D5185m ASTM D5185m		960 1284	1086 1386	1052 1272
	Sulfur	ppm	ASTM D5185m		3309	2839	3027
	Oxidation	Abs/.1mm	*ASTM D5165III	-25	18.3	2039	18.4
	Base Number (BN)		ASTM D7414 ASTM D2896	/20	6.0	6.3	8.6
	Dasc Halliber (DIV)	my nony	, 10 I W D 2000		0.0	0.0	0.0









Certificate L2367

Laboratory Sample No.

: WC0929317 Lab Number : 06190093 Unique Number : 11046845 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 : 23 May 2024 **Tested** : 29 May 2024

: 29 May 2024 - Sean Felton

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

T: (336)767-9642

* - 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)

Diagnosed

F: x: