

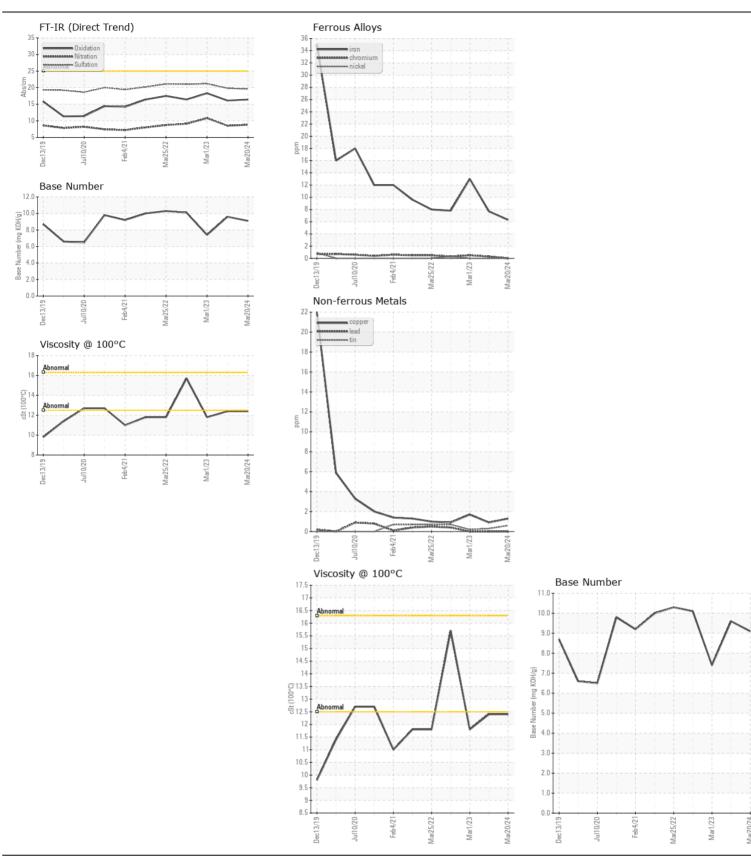
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id **4705**

Component
Diesel Engine

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number	OOW	Client Info	LITTIU/AUTI	WC0912575	WC0826570	WC0778822
	Sample Date		Client Info		20 Mar 2024	29 Jun 2023	01 Mar 202
	Machine Age	mls	Client Info		162797	135729	123234
	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	ABNORMA
WEAR	Iron	ppm	ASTM D5185m	>100	6	8	13
	Chromium	ppm	ASTM D5185m		0	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		5	4	7
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	1	<1	2
	Tin	ppm	ASTM D5185m	>15	<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3	3	4
	Potassium	ppm	ASTM D5185m		4	1	5
There is no indication of any contamination in the oil.	Fuel	1-1-	WC Method		<1.0	<1.0	<u>^</u> 2.7
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.3	0.3	0.4
	Nitration	Abs/cm	*ASTM D7624		8.8	8.5	10.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	19.6	19.8	21.2
	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
<u></u>	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>150	3	1	2
The DN requit indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		1	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		63	64	54
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		985	1042	714
	Calcium	ppm	ASTM D5185m		1063	1106	<u></u>
	Phosphorus	ppm	ASTM D5185m		1133	1058	777
	Zinc	ppm	ASTM D5185m		1270	1242	801
	Sulfur	ppm Abo/1mm	ASTM D5185m	. 05	3919	3627	2655
	Oxidation	Abs/.1mm	*ASTM D7414 ASTM D2896	>25	16.4 9.1	16.1 9.6	18.3 7.4
	Base Number (BN)	ma (OII/-					







Laboratory Sample No.

: WC0912575 Lab Number : 06153641 Unique Number: 10983719

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 18 Apr 2024 **Tested** : 19 Apr 2024

Diagnosed : 19 Apr 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

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Certificate L2367

Test Package : FLEET

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)