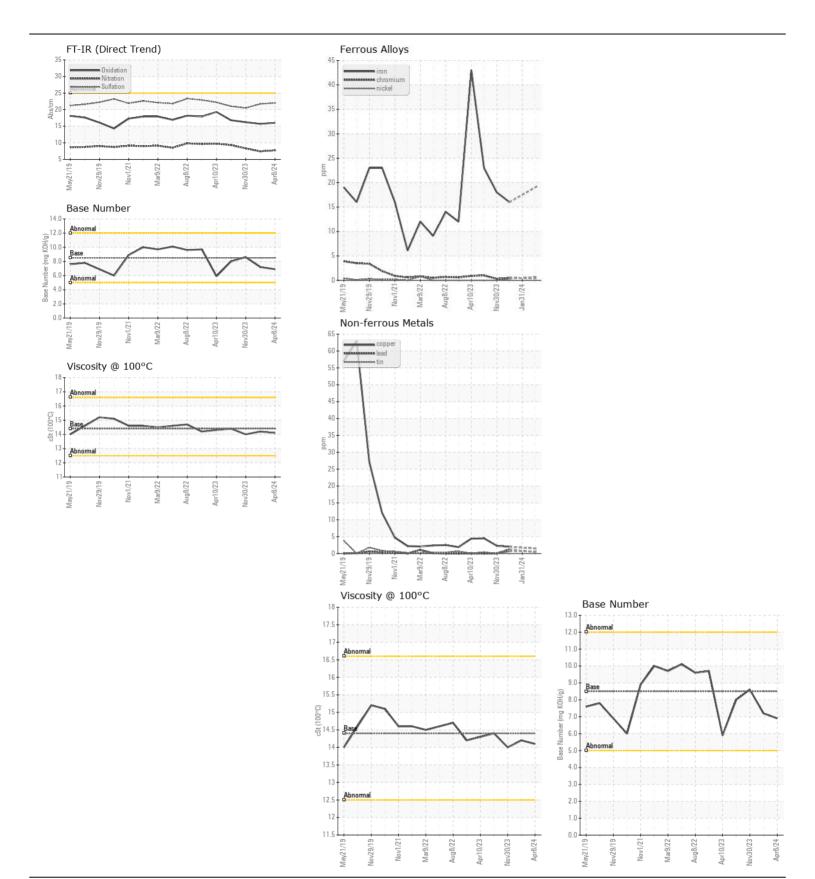
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

59223 Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Posample at the post carries interval to maniter. Please specify the	Sample Number		Client Info		WC0929015	WC0891687	WC084195
Resample at the next service interval to monitor. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		08 Apr 2024	31 Jan 2024	22 Jan 202
	Machine Age	mls	Client Info		575517	107841	554987
	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		N/A	Changed	Changed
	Sample Status				NORMAL		NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	19		16
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	<1		<1
	Nickel	ppm	ASTM D5185m	>4	<1		<1
	Titanium	ppm	ASTM D5185m		0		0
	Silver	ppm	ASTM D5185m	>3	<1		0
	Aluminum	ppm	ASTM D5185m	>20	9		8
	Lead	ppm	ASTM D5185m	>40	<1		1
	Copper	ppm	ASTM D5185m	>330	2		2
	Tin	ppm	ASTM D5185m	>15	<1		<1
	Vanadium	ppm	ASTM D5185m		<1		0
	White Metal	scalar	*Visual	NONE	NONE		NONE
	Yellow Metal	scalar	*Visual	NONE	NONE		NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7		5
	Potassium	ppm	ASTM D5185m	>20	2		3
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.6		0.5
	Nitration	Abs/cm	*ASTM D7624	>20	7.7		7.4
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.0		21.7
	Silt	scalar	*Visual	NONE	NONE		NONE
	Debris	scalar	*Visual	NONE	NONE		NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE		NONE
	Appearance	scalar	*Visual	NORML	NORML		NORM
	Odor	scalar	*Visual	NORML	NORML		NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG		NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	2		1
The DN years it indicates that there is suitable all all all all and the same and t	Boron	ppm	ASTM D5185m	250	263		257
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
	Molybdenum	ppm	ASTM D5185m	100	83		81
	Manganese	ppm	ASTM D5185m		<1		<1
	Magnesium	ppm	ASTM D5185m	450	509		534
	Calcium	ppm	ASTM D5185m	3000	1346		1278
	Phosphorus	ppm	ASTM D5185m	1150	1002		1064
	Zinc	ppm	ASTM D5185m		1292		1267
	Sulfur	ppm	ASTM D5185m	4250	3585		3094
	Oxidation	Abs/.1mm	*ASTM D7414		16.0		15.7
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	6.9		7.2
	Visc @ 100°C	cSt	ASTM D445	4 4 4	14.1		14.2







Certificate L2367

Laboratory Sample No.

: WC0929015 Lab Number : 06190116 Unique Number : 11046868 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 28 May 2024

Diagnosed : 28 May 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105

Contact: Audrey Hopkins

Audrey.Hopkins@salemcorp.com T: (336)767-9642

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: