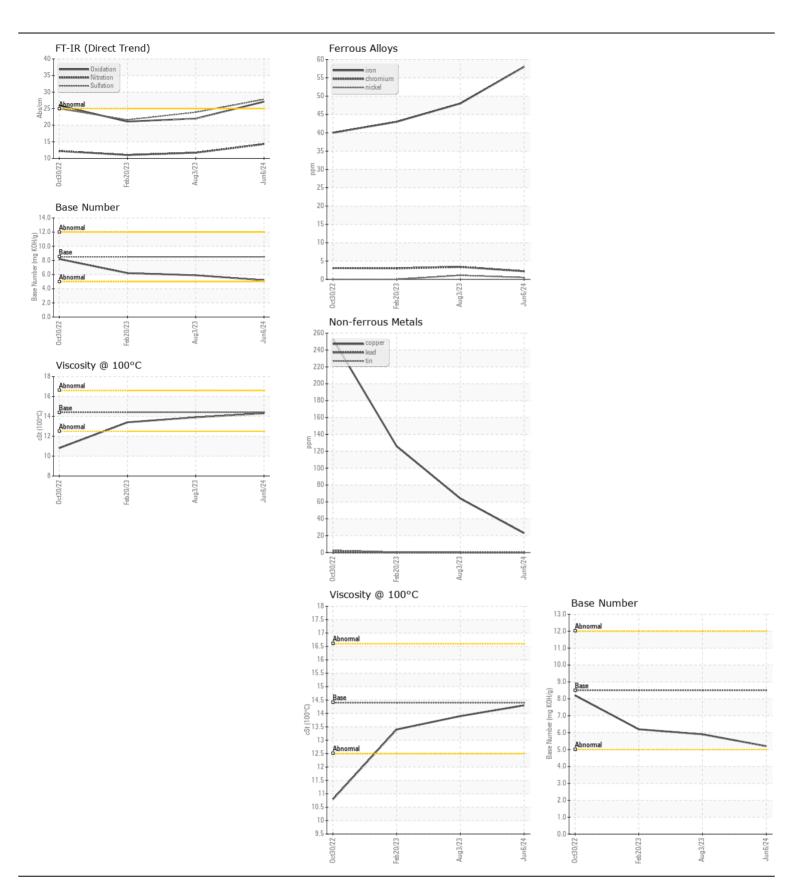
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

Machine Id **31940**

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0829764	WC0829401	WC071096
	Sample Date		Client Info		06 Jun 2024	03 Aug 2023	20 Feb 202
	Machine Age	mls	Client Info		0	145765	55049
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changeo
	Filter Changed		Client Info		Changed	Changed	Changeo
	Sample Status				NORMAL	NORMAL	NORMAI
VEAR	Iron	ppm	ASTM D5185m	>100	58	48	43
	Chromium	ppm	ASTM D5185m	>20	2	3	3
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	1	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	10	19	40
	Lead	ppm	ASTM D5185m		0	0	0
	Copper	ppm	ASTM D5185m		23	64	126
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONI
ONTAMINATION	Silicon	ppm	ASTM D5185m	> 25	14	10	10
ONTAMINATION	Potassium	ppm	ASTM D5185m		18	34	86
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.∠	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~3	1.3	1	0.7
	Nitration	Abs/cm	*ASTM D7624	>20	14.3	11.7	11.0
	Sulfation	Abs/.1mm	*ASTM D7415		27.8	23.9	21.6
	Silt	scalar	*Visual	NONE	NONE	NONE	NON!
	Debris	scalar	*Visual	NONE	NONE	NONE	NONI
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONI
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUB CONDITION	0 "			040			
LUID CONDITION	Sodium	ppm	ASTM D5185m		3	2	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		20	<1	2
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	76	85	70
	Manganese	ppm	ASTM D5185m	450	2	1	2
	Magnesium	ppm	ASTM D5185m		1003	1259	1095
	Calcium	ppm	ASTM D5185m		1299	1481	1430
	Phosphorus	ppm	ASTM D5185m		1158	1292	1050
	Zinc	ppm	ASTM D5185m		1439	1616	1386
	Sulfur	ppm	ASTM D5185m		2955	3027	2526
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		27.1 5.2	22.0 5.9	21.1
		ma k()H/a	4511/11/2896	X h	カフ	5 4	h 2







Certificate L2367

Laboratory Sample No.

: WC0829764 Lab Number : 06217600 Unique Number : 11090464 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 21 Jun 2024 **Tested** : 25 Jun 2024

Diagnosed : 25 Jun 2024 - Don Baldridge

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: