WEAR CONTAMINATION **FLUID CONDITION**

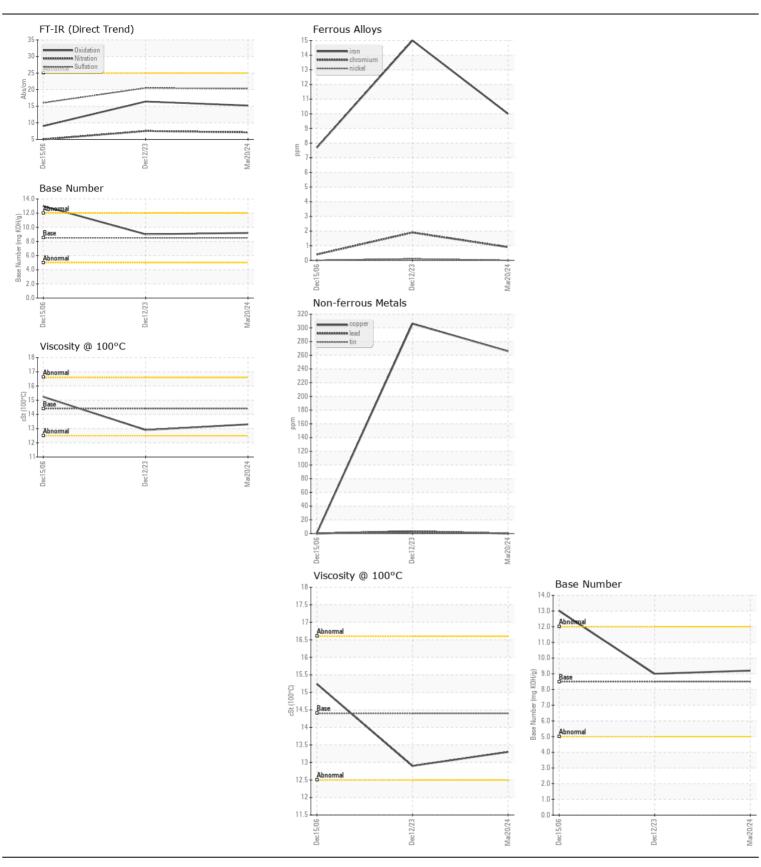
NORMAL NORMAL NORMAL

Machine Id

STERLING 9086

Component
Diesel Engine

DECOMMENDATION				-		
RECOMMENDATION Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample N	Number	Client Info		WC0912501	WC0874157	WCMF107951
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Date	Client Info		20 Mar 2024	12 Dec 2023	15 Dec 2006
Machine	Age mls	Client Info		0	0	429735
Oil Age	mls	Client Info		0	0	20000
Filter Ag	e mls	Client Info		0	0	0
Oil Char	•	Client Info		Changed	Changed	Changed
Filter Ch	-	Client Info		Changed	Changed	N/A
Sample	Status			NORMAL	ABNORMAL	NORMAL
WEAR	ppm	ASTM D5185m	>100	10	15	8
All component wear rates are normal	ım ppm	ASTM D5185m	>20	<1	2	<1
All component wear rates are normal. Nickel	ppm	ASTM D5185m	>4	0	<1	0
Titanium	n ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	<1	<1	0
Aluminu	m ppm	ASTM D5185m	>20	8	21	1
Lead	ppm	ASTM D5185m	>40	0	3	0
Copper	ppm	ASTM D5185m		266	△ 306	<1
Tin	ppm	ASTM D5185m	>15	<1	1	0
Vanadiu		ASTM D5185m		0	0	0
White M		*Visual	NONE	NONE	NONE	NONE
Yellow M	Metal scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION Silicon	ppm	ASTM D5185m	>25	4	4	0
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in	ım ppm	ASTM D5185m	>20	18	44	2
your metals analysis are likely a result of solder flux release into the		WC Method	>5	<1.0	<1.0	<1.0
lubricant and is common on new equipment/components. There is no		WC Method	>0.2	NEG	NEG	NEG
indication of any contamination in the oil.		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.3	0.3	0.1
Nitration			>20	7.1	7.5	5.
Sulfation				20.3	20.5	16.
Silt	scalar		NONE	NONE	NONE	NONE
Debris	scalar		NONE	NONE	NONE	NONE
Sand/Dir		*Visual	NONE	NONE	NONE	NONE
Appeara		*Visual	NORML	NORML	NORML	NORML
Odor	scalar	*Visual	NORML	NORML	NORML	NORML
Emulsified	d Water scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION Sodium	ppm	ASTM D5185m	>158	3	1	2
The RNI requit indicates that there is quitable alkalinity remaining in the	ppm	ASTM D5185m	250	1	4	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	ppm	ASTM D5185m	10	0	0	0
Molybde	num ppm	ASTM D5185m	100	62	56	<1
Mangane	ese ppm	ASTM D5185m		<1	<1	1
Magnesi		ASTM D5185m		978	893	12
Calcium		ASTM D5185m		1097	1186	2892
Phospho	orus ppm	ASTM D5185m		1088	876	1158
Zinc	ppm	ASTM D5185m		1243	1191	1272
Sulfur	ppm	ASTM D5185m		3396	2605	4242
	n Abs/.1mm	*ASTM D7414	>25	15.2	16.4	9.
Oxidatio						
	ber (BN) mg KOH/g			9.2 13.3	9.0 12.9	13.00 15.24







Certificate L2367

Laboratory Sample No.

Lab Number : 06153672 Unique Number: 10983750

: WC0912501

Test Package : FLEET

: 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

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: