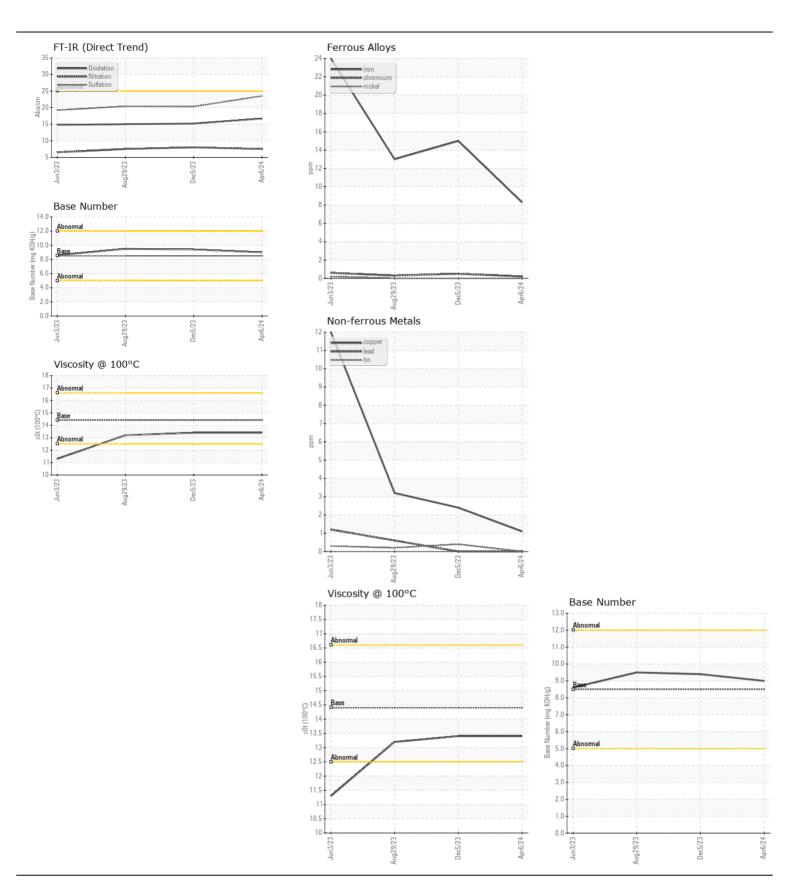
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

25184 Component

Diesel Engine Fluid DIESEL ENGINE OIL SAE 15W40 (GAL)							
·	T	11044	Mada	Line St. (A.L.)		L Bakan A	I Date of C
RECOMMENDATION 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.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number Sample Date		Client Info		WC0826832 06 Apr 2024	WC0826894 05 Dec 2023	WC0826740 29 Aug 2023
	Machine Age	mle	Client Info		44780	36329	29 Aug 202
	Oil Age	mls	Client Info		0	0	0
		mls mls	Client Info		0	0	0
	Filter Age Oil Changed	11115	Client Info			Changed	Changed
	Filter Changed		Client Info		Changed Changed	Changed	Changed
	Sample Status		Chefit iiiio		NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	8	15	13
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>4	0	0	0
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	8	7	4
	Lead	ppm	ASTM D5185m		0	0	<1
	Copper	ppm	ASTM D5185m	>330	1	2	3
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>25	7	6	11
	Potassium	ppm	ASTM D5185m	>20	14	23	14
	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	0.5	0.7	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	8.0	7.5
	Sulfation	Abs/.1mm	*ASTM D7415	>30	23.5	20.3	20.4
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORMI
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Sodium	ppm	ASTM D5185m	>158	2	<1	2
	Boron	ppm	ASTM D5185m	250	298	1	5
	Barium	ppm	ASTM D5185m	10	0	0	0
	Molybdenum	ppm	ASTM D5185m	100	125	60	62
	Manganese	ppm	ASTM D5185m		0	<1	<1
	Magnesium	ppm	ASTM D5185m	450	711	993	935
	Calcium	ppm	ASTM D5185m	3000	1478	1148	1118
	Phosphorus	ppm	ASTM D5185m	1150	707	1050	1027
	Zinc	ppm	ASTM D5185m	1350	879	1331	1305
	Sulfur	ppm	ASTM D5185m		2341	3227	3112
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.7	15.2	15.0
	Base Number (BN)	0 0		8.5	9.0	9.4	9.5
	Visc @ 100°C	cSt	ASTM D445	14.4	13.4	13.4	13.2







Certificate L2367

Laboratory Sample No.

Lab Number : 06241253 Unique Number : 11130087

: WC0826832

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Tested Diagnosed Test Package : FLEET

Received : 18 Jul 2024 : 19 Jul 2024

: 19 Jul 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: