

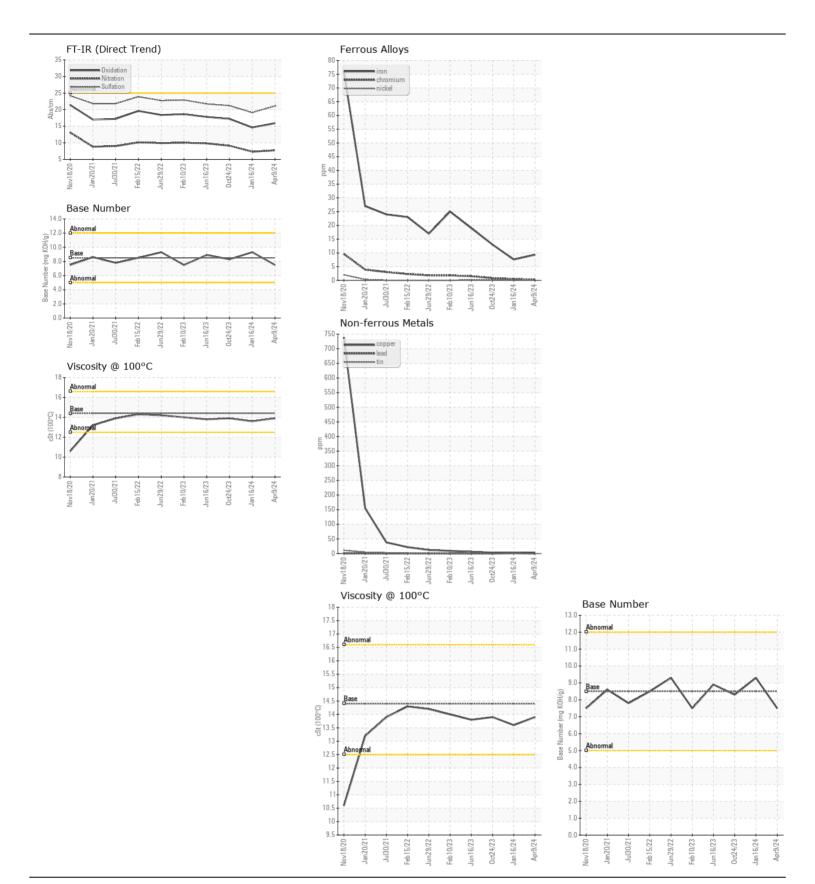
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

7157
Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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 Number		Client Info		WC0929023	WC0842084	WC084213
	Sample Date		Client Info		09 Apr 2024	16 Jan 2024	24 Oct 202
	Machine Age	mls	Client Info		197265	186546	176898
	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	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	9	8	13
WEAR	Chromium	ppm	ASTM D5185m		<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m	77	0	0	0
	Silver	ppm	ASTM D5185m	~3	0	0	0
	Aluminum	ppm	ASTM D5185m		6	4	7
	Lead	ppm	ASTM D5185m		0	1	0
	Copper	ppm	ASTM D5185m		2	3	3
	Tin	ppm	ASTM D5185m		0	<1	<1
	Vanadium	ppm	ASTM D5185m	7.0	0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
ONIT A MINIA TION	0.11.		AOTA DE LOS	05	_	4	
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	4	5
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		4	6	10
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol Soot %	0/	WC Method *ASTM D7844	0	NEG 0.4	NEG	NEG
	Nitration	% Abs/cm	*ASTM D7624	>20	7.7	0.3 7.3	0.6 9.1
	Sulfation	Abs/.1mm	*ASTM D7624		21.1	19.1	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
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		<1	<1	0
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		295	5	4
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	80	66	62
	Manganese	ppm	ASTM D5185m	4=6	<1	<1	<1
	Magnesium	ppm	ASTM D5185m		592	981	952
	Calcium	ppm	ASTM D5185m		1303	1065	1053
	Phosphorus	ppm	ASTM D5185m		1060	1090	1007
	Zinc	ppm	ASTM D5185m		1280	1302	1269
	Sulfur	ppm	ASTM D5185m		3589	3238	2976
	Oxidation	Abs/.1mm	*ASTM D7414		15.9 7.5	14.6 9.3	17.2 8.3
	Base Number (BN)	I/OII/					







Certificate L2367

Laboratory Sample No.

Lab Number : 06191668 Unique Number : 11048420

: WC0929023 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024 **Tested** : 29 May 2024

: 29 May 2024 - Wes Davis Diagnosed

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC US 27105

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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)

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