

WEAR CONTAMINATION FLUID CONDITION

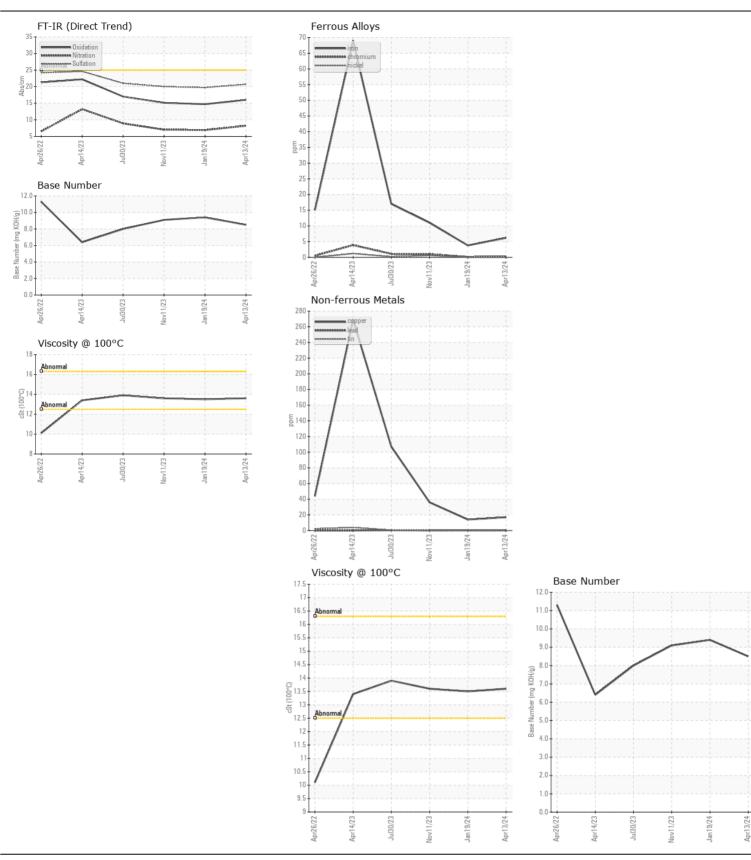
NORMAL NORMAL NORMAL

Machine Id

46529Component

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.	Sample Number		Client Info		WC0912487	WC0891618	,
	Sample Date		Client Info		13 Apr 2024		11 Nov 202
	Machine Age	mls	Client Info		155498	0	0
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	N/A
	Filter Changed		Client Info		Changed	Changed	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	6	4	11
	Chromium	ppm	ASTM D5185m	>20	<1	<1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		2	2	2
	Lead	ppm	ASTM D5185m		- <1	<1	<1
	Copper	ppm	ASTM D5185m		17	14	36
	Tin	ppm	ASTM D5185m		<1	<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
CONTAMINATION	Silicon	ppm	ASTM D5185m	\25	3	3	5
	Potassium	ppm	ASTM D5185m		3	3	6
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	0.6	0.4	0.4
	Nitration	Abs/cm	*ASTM D7624		8.2	6.9	7.0
	Sulfation	Abs/.1mm	*ASTM D7024		20.7	19.7	20.0
	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
THUR CONDITION	0 - 45		AOTA DEADE	440			
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 ASTM D5185m	>110	3	2	0
	Boron Barium	ppm	ASTM D5185m ASTM D5185m		<1 0	<1	
		ppm				0	<1
	Molybdenum Manganese	ppm	ASTM D5185m		61	61	62
		ppm	ASTM D5185m		<1	<1 075	<1
	Magnesium Calcium	ppm	ASTM D5185m		991	975	975
		ppm	ASTM D5185m		1101	1080	1091
	Phosphorus	ppm	ASTM D5185m		1042	1056	967
	Zinc	ppm	ASTM D5185m		1215	1218	1171
	Sulfur	ppm	ASTM D5185m	05	3426	3615	3335
	Oxidation	Abs/.1mm	*ASTM D7414	>25	16.0	14.7	15.1
	Base Number (BN) Visc @ 100°C	mg KOH/g cSt	ASTM D2896 ASTM D445		8.5 13.6	9.4 13.5	9.1







Certificate L2367

Laboratory Sample No.

: WC0912487 Lab Number : 06153644 Unique Number : 10983722 Test Package : FLEET

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: 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

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* - 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) T: (336)767-9642 F: x: