

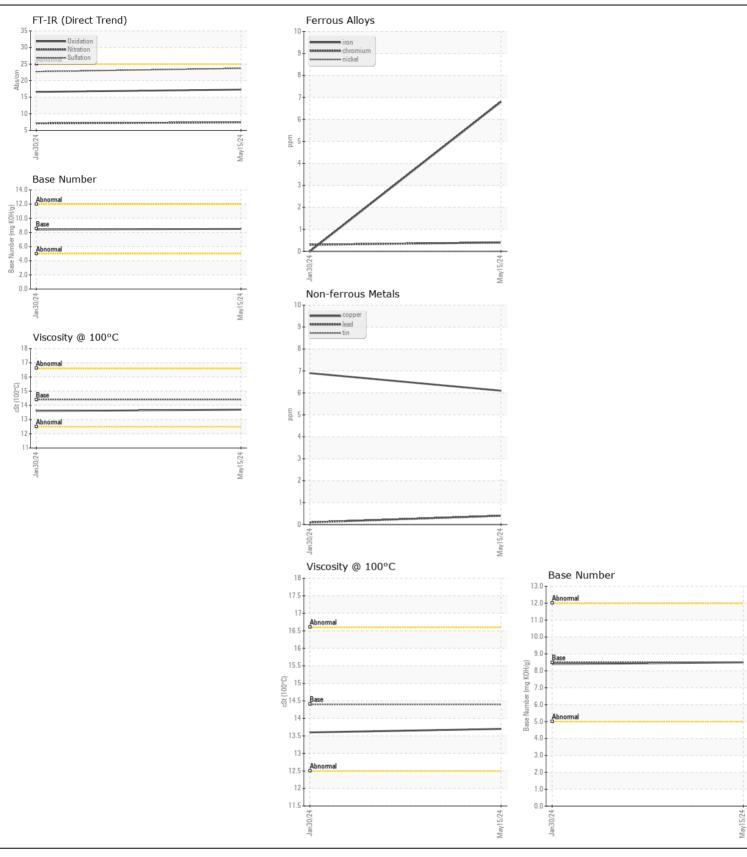
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id 32299

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		WC0936723	WC0904400	
	Sample Date		Client Info		15 May 2024	30 Jan 2024	
	Machine Age	mls	Client Info		173427	159459	
	Oil Age	mls	Client Info		0	25000	
	Filter Age	mls	Client Info		0	25000	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
VEAR	Iron	ppm	ASTM D5185m	>100	7	0	
	Chromium	ppm	ASTM D5185m	>20	<1	<1	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	>3	<1	0	
	Aluminum	ppm	ASTM D5185m		5	6	
	Lead	ppm	ASTM D5185m		<1	<1	
	Copper	ppm	ASTM D5185m		6	7	
	Tin	ppm	ASTM D5185m		0	0	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	nnm	ASTM D5185m	>25	6	6	
CONTAMINATION	Potassium	ppm	ASTM D5185m		4	4	
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method			<1.0	
	Water		WC Method		<1.0 NEG	NEG	
	Glycol		WC Method	>0.2	NEG	NEG	
	Soot %	%	*ASTM D7844	- 2	0.3	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	7.4	7.1	
	Sulfation	Abs/.1mm	*ASTM D7024		23.7	22.7	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	Emulsified Water		*Visual	>0.2	NEG	NEG	
			Visuai	70.2			
LUID CONDITION	Sodium	ppm	ASTM D5185m	>44	0	0	
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	250	263	238	
	Barium	ppm	ASTM D5185m	10	0	0	
	Molybdenum	ppm	ASTM D5185m	100	135	111	
	Manganese	ppm	ASTM D5185m		<1	<1	
	Magnesium	ppm	ASTM D5185m	450	751	732	
	Calcium	ppm	ASTM D5185m	3000	1789	1477	
	Phosphorus	ppm	ASTM D5185m	1150	834	784	
	Zinc	ppm	ASTM D5185m		1018	944	
	Sulfur	ppm	ASTM D5185m		3306	2527	
	Oxidation	Abs/.1mm	*ASTM D7414		17.3	16.6	
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	8.5	8.4	
	Visc @ 100°C	cSt	ASTM D445		13.7	13.6	







Certificate L2367

Laboratory Sample No.

: WC0936723 Lab Number : 06193246 Unique Number : 11049998 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 28 May 2024 **Tested** : 30 May 2024

Diagnosed : 30 May 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC US 27105

Contact: Audrey Hopkins

To discuss this sample report, contact Customer Service at 1-800-237-1369. Audrey.Hopkins@salemcorp.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (336)767-9642

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

F: x: