

WEAR CONTAMINATION FLUID CONDITION

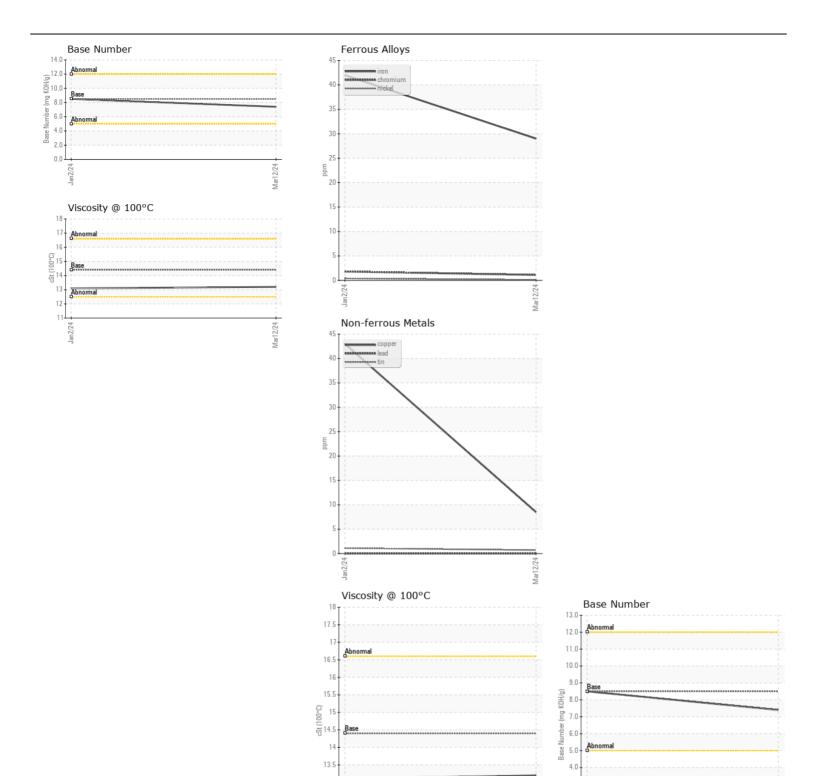
NORMAL NORMAL NORMAL

Machine Id

9081

Component Diesel Engine

RECOMMENDATION  Resample at the next service interval to monitor. Please specify the	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0798091		
component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Date		Client Info		12 Mar 2024	02 Jan 2024	
	Machine Age	mls	Client Info		24330	12917	
	Oil Age	mls	Client Info		11413	12205	
	Filter Age	mls	Client Info		11413	12205	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>100	29	42	
	Chromium	ppm	ASTM D5185m		1	2	
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		- <1	<1	
	Titanium	ppm	ASTM D5185m		<1	<1	
	Silver	ppm	ASTM D5185m	<b>\</b> 3	0	0	
	Aluminum	ppm	ASTM D5185m		16	8	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m		8	43	
	Tin	ppm	ASTM D5185m		<1	1	
	Vanadium	ppm	ASTM D5185m	>10	<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
			Vioudi			TVOTVE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	11	25	
Elevated aluminum (AI) 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.	Potassium	ppm	ASTM D5185m	>20	43	25	
	Fuel		WC Method	>5	<1.0	<1.0	
	Water		WC Method	>0.2	NEG	NEG	
	Glycol		WC Method		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.4	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	8.0	9.4	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.6	23.5	
	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	
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	
FLUID CONDITION	Sodium	nnm	ASTM D5185m	<b>-158</b>	1	3	
	Boron	ppm	ASTM D5185m		322	43	
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium		ASTM D5185m		2	<1 <1	
	Molybdenum	ppm	ASTM D5185m		101	41	
	Manganese	ppm	ASTM D5165III	100	1	7	
	Magnesium		ASTM D5185m	450	439	535	
	Calcium	ppm	ASTM D5185m		1535	1523	
	Phosphorus		ASTM D5185m		990	738	
	Zinc	ppm	ASTM D5185m		990 1277	885	
	Sulfur	ppm	ASTM D5185m			2317	
	Juliui	ppm			3351		
	Ovidation	Aho/1mm	* A Q T M D 7 / 1 /	- 2E	100	23 C	
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		18.0 7.4	23.6 8.5	







Certificate L2367

Report Id: SALWIN [WUSCAR] 06125387 (Generated: 03/24/2024 18:54:32) Rev: 1

Laboratory Sample No.

Lab Number : 06125387 Unique Number: 10939538 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0798091 Received : 21 Mar 2024 : 24 Mar 2024 **Tested** 

: 24 Mar 2024 - Wes Davis Diagnosed

Mar12/24

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.

12.

11.5

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

F: x: