

WEAR CONTAMINATION FLUID CONDITION

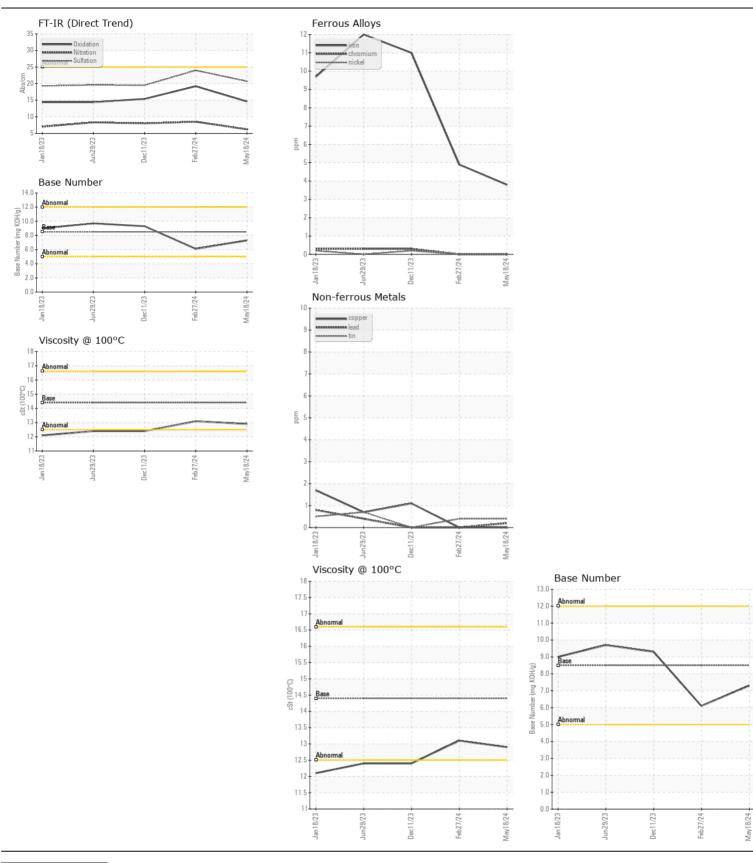
NORMAL NORMAL NORMAL

Machine Id

6304

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0879920	WC0879939	WC084572
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 Date		Client Info		18 May 2024	27 Feb 2024	11 Dec 202
	Machine Age	mls	Client Info		48662	43608	38857
	Oil Age	mls	Client Info		10000	0	0
	Filter Age	mls	Client Info		10000	0	0
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed		Client Info		Changed	N/A	N/A
	Sample Status				NORMAL	NORMAL	ATTENTIC
WEAD.	lua-a		ACTM DE105	100			44
WEAR	Iron	ppm	ASTM D5185m		4	5	11
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		0	0	<1
	Nickel	ppm	ASTM D5185m	>4	0	0	<1
	Titanium	ppm	ASTM D5185m	0	0	0	0
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		4	2	4
	Lead	ppm	ASTM D5185m		<1	0	0
	Copper Tin	ppm	ASTM D5185m		0	0	0
	Vanadium	ppm	ASTM D5185m	>15	<1 0	<1 0	0
	White Metal	ppm	ASTM D5185m *Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
<u></u>	Tellow Metal	Scalai	Visuai	INOINL	INONE	INOINL	INOINL
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	4	3	4
	Potassium	ppm	ASTM D5185m	>20	5	0	9
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.	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	0.2	0.5	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	6.2	8.5	8.0
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.7	24.0	19.5
	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	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m	>158	1	1	2
	Boron	ppm	ASTM D5185m	250	496	373	6
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	<1
	Molybdenum	ppm	ASTM D5185m		85	82	72
	Manganese	ppm	ASTM D5185m		<1	0	<1
	Magnesium	ppm	ASTM D5185m	450	396	397	955
	Calcium	ppm	ASTM D5185m		1293	1293	1101
	Phosphorus	ppm	ASTM D5185m		1035	1028	1135
	Zinc	ppm	ASTM D5185m	1350	1205	1116	1293
	Sulfur	ppm	ASTM D5185m		3591	3423	3335
	Oxidation	Abs/.1mm	*ASTM D7414		14.6	19.2	15.4
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	7.3	6.1	9.3
		- 0					







Certificate L2367

Laboratory Sample No.

Lab Number : 06193440 Unique Number : 11050192 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0879920

Received : 28 May 2024 **Tested** Diagnosed

: 30 May 2024 : 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: