

WEAR CONTAMINATION FLUID CONDITION

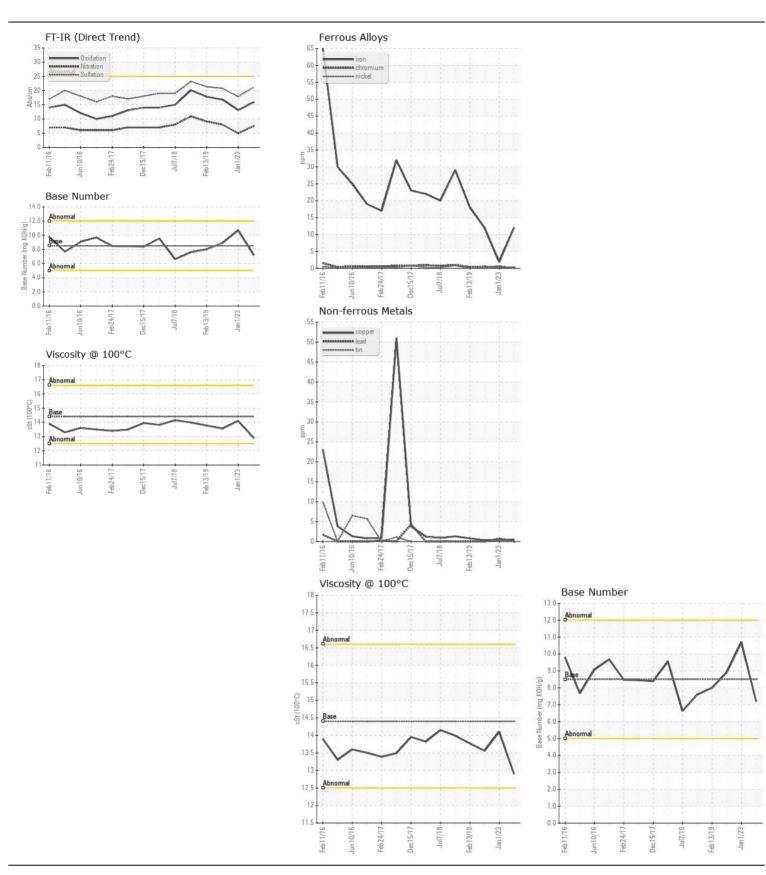
NORMAL NORMAL NORMAL

Machine Id

7640

Component Diesel Engine

DECOMMENDATION.							
RECOMMENDATION 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.	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0946127	WC0763895	WCMFC2397
	Sample Date	l.	Client Info		22 Jun 2024		11 Apr 201
	Machine Age	mls	Client Info		33963	0	192553
	Oil Age	mls	Client Info		5000	0	0
	Filter Age	mls	Client Info		5000	0	0
	Oil Changed		Client Info		Changed	N/A	N/A
	Filter Changed Sample Status		Client into		Changed NORMAL	N/A NORMAL	N/A NORMAI
WEAR	Iron	ppm	ASTM D5185m		12	2	12
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		<1	<1	<1
	Nickel	ppm	ASTM D5185m	>4	0	<1	<1
	Titanium	ppm	ASTM D5185m		0	0	<1
	Silver	ppm	ASTM D5185m		0	<1	0
	Aluminum	ppm	ASTM D5185m		11	<1	8
	Lead	ppm	ASTM D5185m		0	<1	0
	Copper	ppm	ASTM D5185m		<1	<1	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	0
	Vanadium	ppm	ASTM D5185m	NONE	0	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	6	4	4
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.	Potassium	ppm	ASTM D5185m	>20	21	28	9
	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		0.3	0.1	0.5
	Nitration	Abs/cm	*ASTM D7624	>20	7.5	4.9	8
	Sulfation	Abs/.1mm	*ASTM D7415		21.2	17.8	20.8
	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 Emulsified Water	scalar	*Visual *Visual	NORML >0.2	NORML NEG	NORML NEG	NORM NEG
	Liliuisilled Water	Scalai	visuai	>0.2			INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	28	2
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		304	1	57
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	95	60	63
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		402	943	407
	Calcium	ppm	ASTM D5185m		1517	989	1726
	Phosphorus	ppm	ASTM D5185m		1086	997	957
	Zinc	ppm	ASTM D5185m		1286	1234	1172
	Sulfur	ppm	ASTM D5185m	4250	3785	3926	2550
		Al / -	*AOTA (D744 :	0.5	45.	40 4	400
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414 ASTM D2896		15.9 7.2	13.1 10.7	16.8 8.9







Certificate L2367

Laboratory Sample No.

Lab Number : 06231071 Unique Number : 11114564

Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0946127

Received **Tested** Diagnosed

: 08 Jul 2024 : 10 Jul 2024 : 10 Jul 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105 Contact: Audrey Hopkins

Audrey.Hopkins@salemcorp.com

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)

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