WEAR CONTAMINATION FLUID CONDITION

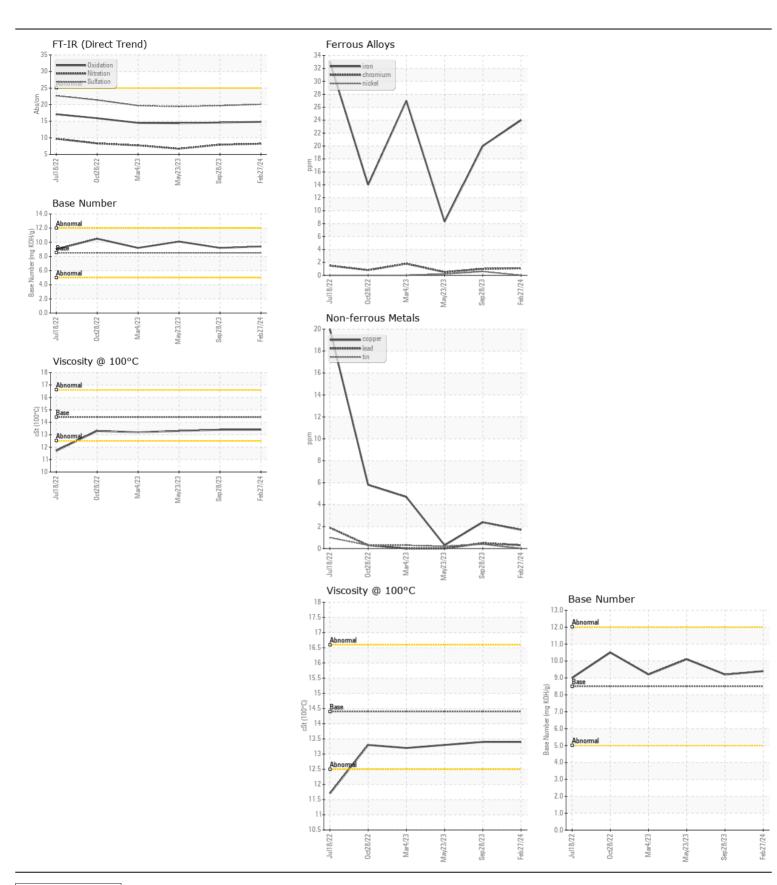
NORMAL NORMAL NORMAL

Machine Id

59263

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		WC0912511	WC0861118	WC081101
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		27 Feb 2024	28 Sep 2023	23 May 202
	Machine Age	mls	Client Info		2836	0	57777
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	N/A	Changed
	Filter Changed		Client Info		Changed	N/A	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	>100	24	20	8
	Chromium	ppm	ASTM D5185m	>20	1	1	<1
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	2	2
	Lead	ppm	ASTM D5185m	>40	<1	<1	0
	Copper	ppm	ASTM D5185m	>330	2	2	<1
	Tin	ppm	ASTM D5185m	>15	0	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	7	8	5
SONTAMINATION	Potassium	ppm	ASTM D5185m		6	7	4
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.6	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	7.9	6.7
	Sulfation	Abs/.1mm	*ASTM D7415	>30	20.1	19.7	19.4
	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	2	<1	1
	Boron	ppm	ASTM D5185m		0	0	<1
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	10	0	1	0
	Molybdenum	ppm	ASTM D5185m	100	65	65	63
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	1083	1016	1043
	Calcium	ppm		3000	1176	1110	1082
	Phosphorus	ppm	ASTM D5185m	1150	1124	1040	1095
	Zinc	ppm	ASTM D5185m	1350	1330	1249	1346
	Sulfur	ppm	ASTM D5185m	4250	3952	3391	4137
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.8	14.6	14.4
	Base Number (BN)	mg KOH/g	ASTM D2896	8.5	9.4	9.2	10.1
	Visc @ 100°C	cSt	ASTM D445	1///	13.4	13.4	13.3







Certificate L2367

Laboratory Sample No.

: WC0912511 Lab Number : 06191540 Unique Number : 11048292 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 24 May 2024 **Tested** : 29 May 2024

Diagnosed : 29 May 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)

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