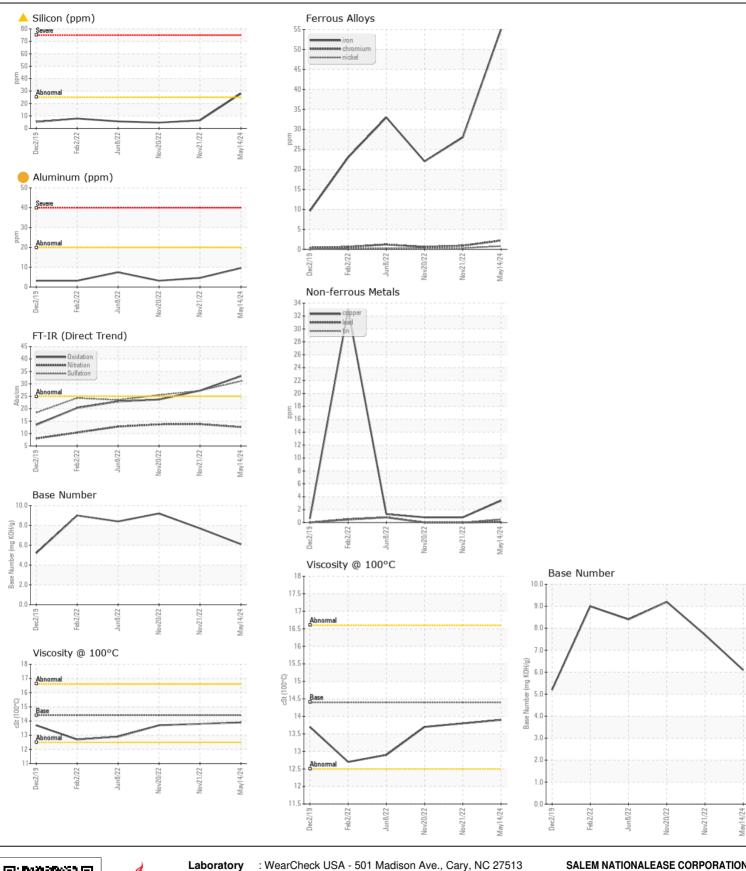
WEAR CONTAMINATION FLUID CONDITION

ATTENTION
ABNORMAL
NORMAL

Machine Id **15145**

15145 Component

Component Diesel Engine							
EXXON 15W40 (GAL)							
LAXON 13W40 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		WC0919714	WC0722714	WC0722702
	Sample Date		Client Info		14 May 2024	21 Nov 2022	20 Nov 2022
	Machine Age	mls	Client Info		416718	338833	317928
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				ABNORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	55	28	22
	Chromium	ppm	ASTM D5185m		2	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		- <1	<1	<1
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver	ppm	ASTM D5185m	>3	<1	0	0
	Aluminum	ppm	ASTM D5185m	>20	<u> </u>	5	3
	Lead	ppm	ASTM D5185m	>40	<1	0	0
	Copper	ppm	ASTM D5185m	>330	3	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABINIATION	Ciliaaa		ACTM DE10E	05	A 00		
CONTAMINATION Elemental levels of silicon (Si) and aluminum (Al) indicate aluminasilicate (coarse dirt) ingress.	Silicon	ppm	ASTM D5185m		<u>^</u> 28 8	6 3	5
	Potassium Fuel	ppm	ASTM D5185m WC Method	>20	o <1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	<i>></i> 0.∠	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\3	1.1	0.4	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	12.6	13.8	13.7
	Sulfation	Abs/.1mm	*ASTM D7415		31.1	27.2	25.5
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
ELUID CONDITION	0 - 45		AOTM DE405		40		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		12	2	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m		202	4	6
		ppm	ASTM D5185m ASTM D5185m		0 95	0 82	0 81
	Molybdenum Manganese	ppm	ASTM D5185m			<1	<1
	Magnesium	ppm	ASTM D5185m		<1 495	1139	1075
	Calcium	ppm	ASTM D5185m		495 1458	1344	1263
	Phosphorus	ppm	ASTM D5185m		1071	1159	1127
	Zinc	ppm	ASTM D5185m		1403	1533	1440
	Sulfur	ppm	ASTM D5185m		3274	3709	3801
	Oxidation	Abs/.1mm	*ASTM D7414	>25	33.1	27.3	23.7
	Base Number (BN)				6.1	7.7	9.2
	Visc @ 100°C	cSt	ASTM D445	14.4	13.9	13.8	13.7
	<u> </u>						-





Certificate L2367

Report Id: SALWIN [WUSCAR] 06188532 (Generated: 05/28/2024 12:09:37) Rev: 1

Laboratory

Sample No.

: WC0919714 Lab Number : 06188532 Unique Number : 11045284 Test Package : FLEET

Received : 22 May 2024 **Tested**

: 24 May 2024 : 28 May 2024 - Sean Felton Diagnosed

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)

F: x:

T: (336)767-9642