WEAR CONTAMINATION **FLUID CONDITION**

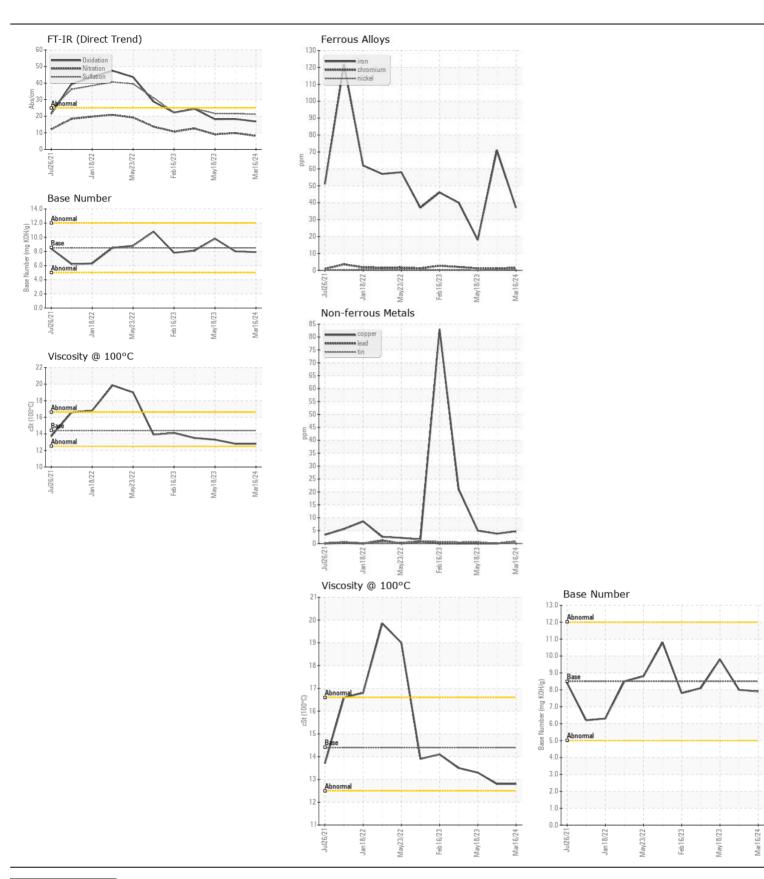
NORMAL NORMAL NORMAL

Machine Id

12966

Component Diesel Engine

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 Number Sample Number Sample Date Machine Age Mis Client Info 16 Mar 2024 31 Oct 2023 Machine Age Oil Age Mis Client Info O Oil Changed Client Info Changed N/A N/A N)
Sample Number Client Info WC0842213 WC0842123 VC084213 VC084213	NC0742384 8 May 2023))) N/A N/A NORMAL 18 1 0 <1
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. Machine Age mls Client Info 177126 169738 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	18 10 00 00 00 00 00 00 00 00 00 00 00 00
Machine Age mls Client Info 177126 169738 Client Info 0 0 0 0 0 0 0 0 0	18 10 00 00 00 00 00 00 00 00 00 00 00 00
Oil Age mls Client Info O O O O O O O O O	18 10 0 <1 0
Filter Age mls Client Info O O O O O O O O O	N/A N/A NORMAL 18 1 0 <1
Filter Changed Sample Status Client Info NORMAL NORMAL	18 1 0 <1 0
Filter Changed Sample Status Client Info NORMAL NORMAL	18 1 0 <1 0
Iron ppm ASTM D5185m >100 37 71	18 1 0 <1
All component wear rates are normal. Chromium ppm ASTM D5185m >20 2 1 Nickel ppm ASTM D5185m >4 <1 <1 Titanium ppm ASTM D5185m >0 0 Silver ppm ASTM D5185m >3 <1 0 Aluminum ppm ASTM D5185m >20 6 4 Lead ppm ASTM D5185m >40 <1 0	1 0 <1 0
All component wear rates are normal. Chromium ppm ASTM D5185m >20 2 1 Nickel ppm ASTM D5185m >4 <1 <1 Titanium ppm ASTM D5185m >0 0 Silver ppm ASTM D5185m >3 <1 0 Aluminum ppm ASTM D5185m >20 6 4 Lead ppm ASTM D5185m >40 <1 0	1 0 <1 0
All component wear rates are normal. Nickel ppm ASTM D5185m >4 <1 <1 Titanium ppm ASTM D5185m >3 <1 0 Silver ppm ASTM D5185m >20 6 4 Lead ppm ASTM D5185m >40 <1 0	0 <1 0
Titanium ppm ASTM D5185m 0 0 Silver ppm ASTM D5185m >3 <1	<1
Silver ppm ASTM D5185m >3 <1	0
Aluminum ppm ASTM D5185m >20 6 4 Lead ppm ASTM D5185m >40 <1	
Lead ppm ASTM D5185m >40 <1 0	_
	0
	5
Tin ppm ASTM D5185m >15 <1 0	<1
Vanadium ppm ASTM D5185m 0 0	0
White Metal scalar *Visual NONE NONE NONE	NONE
Yellow Metal scalar *Visual NONE NONE NONE	NONE
CONTAMINATION Silicon ppm ASTM D5185m >25 8 8	9
Potassium ppm	5
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 0.4 0.4	0.3
Nitration Abs/cm *ASTM D7624 >20 8.1 9.8	9.0
Sulfation Abs/.1mm *ASTM D7415 >30 21.2 21.5	21.6
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	NORML
Odor scalar *Visual NORML NORML NORML	NORML
Emulsified Water scalar *Visual >0.2 NEG NEG	NEG
FLUID CONDITION Sodium ppm ASTM D5185m >158 2 3	2
Boron ppm ASTM D5185m 250 240 6	1
The BN result indicates that there is suitable alkalinity remaining in the	0
oil. The condition of the oil is suitable for further service. Molybdenum ppm ASTM D5185m 100 76 55	70
Manganese ppm ASTM D5185m <1 <1	<1
Magnesium ppm ASTM D5185m 450 651 821	1145
Calcium ppm ASTM D5185m 3000 1263 1113	1236
Phosphorus ppm ASTM D5185m 1150 1004 869	1172
Zinc ppm ASTM D5185m 1350 1278 1140	1450
Sulfur ppm ASTM D5185m 4250 3632 3238	4050
Oxidation Abs/.1mm *ASTM D7414 >25 16.8 18.3	18.2
Base Number (BN) mg KOH/g ASTM D2896 8.5 7.9 8.0	9.8
Visc @ 100°C cSt ASTM D445 14.4 12.8 12.8	13.3







Certificate L2367

Laboratory Sample No.

Lab Number : 06190124 Unique Number : 11046876 Test Package : FLEET

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0842213 Received **Tested**

: 23 May 2024 : 28 May 2024 Diagnosed : 28 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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