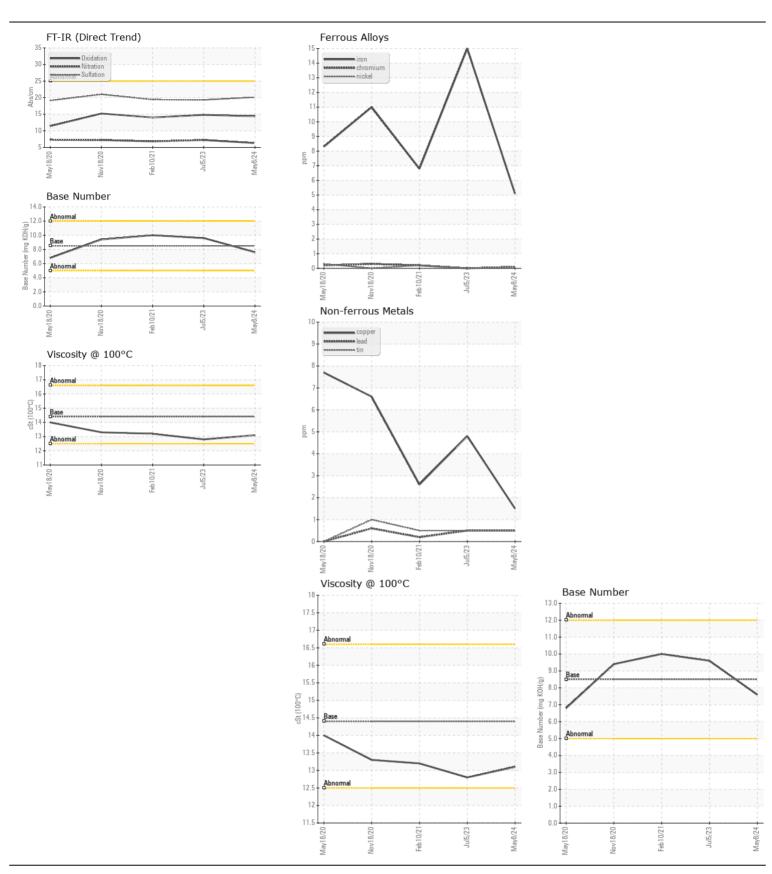
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Machine Id

137971 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 Date Client Info MC0903085 WC0787640 VS ample Date Machine Age MIS Client Info O 149342 Oil Age MIS Client Info G0000 Oil Changed Client Info Changed Chang	History2 WC0480634 I0 Feb 2021 59514 O
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 Date Client Info Machine Age Mis Client Info O 149342 Oil Age Mis Client Info 60000 Oil Changed Changed Filter Changed Chang	WC0480634 10 Feb 2021 59514)
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 Machine Age Mis Client Info O 149342 Oil Age Mis Client Info Oil Changed Chang	59514))
brand, type, and viscosity of the oil on your next sample. Machine Age mis Client Info 60000 0 0)
Oil Age mls Client Info 60000 0 (Filter Age mls Client Info 60000 0 (Changed Filter Changed Client Info Changed Changed Changed (Changed Changed Changed Changed (Changed Changed Changed (Changed Changed (Changed Changed (Changed)
Filter AgemlsClient Info6000000Oil ChangedClient InfoChangedChangedFilter ChangedClient InfoChangedChanged	
Filter Changed Client Info Changed Changed	
Filter Changed Client Info Changed Changed	Changed
Sample Status NORMAL NORMAL	Changed
	NORMAL
WEAR Iron ppm ASTM D5185m >100 5 15	7
Chromium ppm ASTM D5185m >20 <1 0	<1
All component wear rates are normal. Nickel ppm ASTM D5185m >4 <1 0	<1
Titanium ppm ASTM D5185m 1 <1	0
Silver ppm ASTM D5185m >3 0 0	0
Aluminum ppm ASTM D5185m >20 2	4
Lead ppm ASTM D5185m >40 <1 <1	<1
Copper ppm ASTM D5185m >330 2 5	3
Tin ppm ASTM D5185m >15 <1 <1	<1
Vanadium ppm ASTM D5185m 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 4 3	3
Potassium ppm ASTM D5185m >20 2 2	9
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 %	0.2
Nitration Abs/cm *ASTM D7624 >20 6.3 7.2	6.8
Sulfation Abs/.1mm *ASTM D7415 >30 20.1 19.3	19.4
Silt scalar *Visual NONE NONE NONE	NONE
Debris scalar *Visual NONE NONE NONE	NONE
Sand/Dirt scalar *Visual NONE NONE NONE	NONE
Appearancescalar*VisualNORMLNORMLNORML	NORML
Odor scalar *Visual NORML NORML NORML NORML	NORML
Emulsified Water scalar *Visual >0.2 NEG NEG	NEG
FLUID CONDITION Sodium ppm ASTM D5185m >158 <1 3	6
Boron ppm ASTM D5185m 250 380 1	6
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 64	56
Manganese ppm ASTM D5185m <1 <1	<1
Magnesium ppm ASTM D5185m 450 438 1032	892
Calcium ppm ASTM D5185m 3000 1315 1153	1047
	986
Phosphorus ppm ASTM D5185m 1150 1019 1063	1126
Phosphorus ppm ASTM D5185m 1150 1019 1063 Zinc ppm ASTM D5185m 1350 1147 1296	
	2756
Zinc ppm ASTM D5185m 1350 1147 1296 Sulfur ppm ASTM D5185m 4250 3461 3929 Oxidation Abs/.1mm *ASTM D7414 >25 14.4 14.8	2756 14
Zinc ppm ASTM D5185m 1350 1147 1296 Sulfur ppm ASTM D5185m 4250 3461 3929	2756







Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: WC0903085 Lab Number : 06189993 Unique Number : 11046745

To discuss this sample report, contact Customer Service at 1-800-237-1369.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 23 May 2024 **Tested** : 31 May 2024

Diagnosed : 31 May 2024 - Wes Davis

SALEM NATIONALEASE CORPORATION

198 PARK PLAZA DRIVE WINSTON SALEM, NC

US 27105

Contact: Audrey Hopkins Audrey.Hopkins@salemcorp.com

T: (336)767-9642

* - 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: