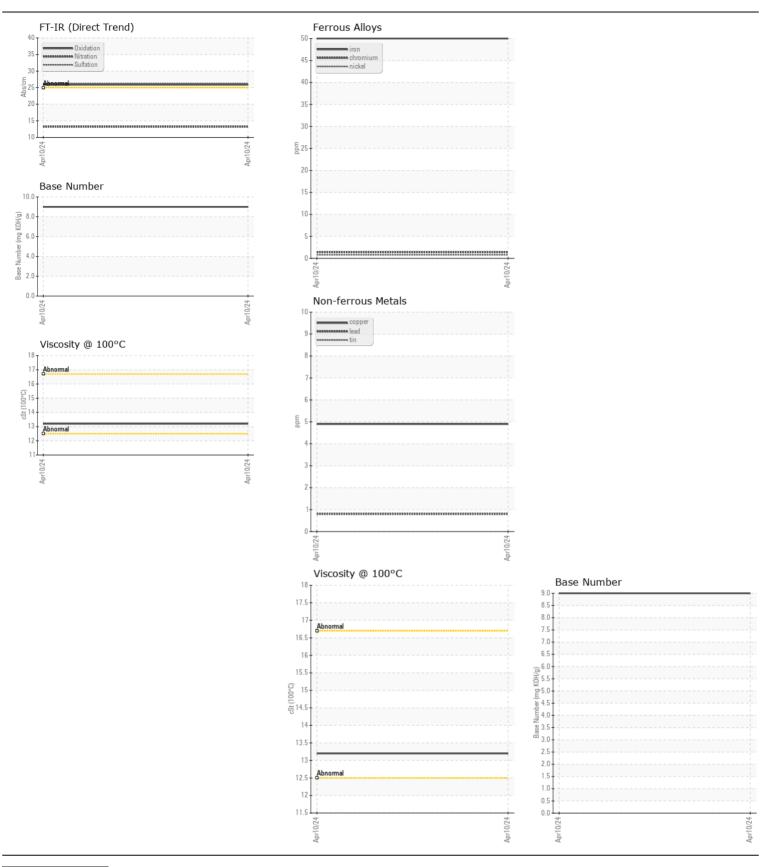
**WEAR** CONTAMINATION **FLUID CONDITION**  **NORMAL NORMAL NORMAL** 

Machine Id

Z0080820

Component
Diesel Engine

A COMMENDATION	T 4	11014	Martin 1	1.59741	(	118-22- 4	1.15.3
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History
Resample at the next service interval to monitor.	Sample Number		Client Info		JR0209592		
	Sample Date		Client Info		10 Apr 2024		
	Machine Age	hrs	Client Info		1949		
	Oil Age	hrs	Client Info		1949		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
VEAR	Iron	ppm	ASTM D5185m	<b>&gt;100</b>	50		
WEAR	Chromium	ppm	ASTM D5185m		1		
All component wear rates are normal.	Nickel		ASTM D5185m		<1		
	Titanium	ppm	ASTM D5185m	>4	<1		
	Silver	ppm	ASTM D5185m	. 2	0		
		ppm					
	Aluminum	ppm	ASTM D5185m ASTM D5185m		8		
	Lead	ppm	ASTM D5185m		<1 5		
	Copper Tin	ppm	ASTM D5185m				
		ppm		>15	<1		
	Vanadium	ppm	ASTM D5185m	NONE	<1 NONE		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	>25	15		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	2		
	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	1		
	Nitration	Abs/cm	*ASTM D7624	>20	13.2		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	26.2		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water		*Visual	>0.2	NEG		
LUID CONDITION	Sodium	ppm	ASTM D5185m		4		
DNI requit indicates that there is quitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		121		
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		<1		
	Molybdenum	ppm	ASTM D5185m		223		
	Manganese	ppm	ASTM D5185m		1		
	Magnesium	ppm	ASTM D5185m		746		
	Calcium	ppm	ASTM D5185m		1484		
	Phosphorus	ppm	ASTM D5185m		838		
	Zinc	ppm	ASTM D5185m		1016		
	Sulfur	ppm	ASTM D5185m		3244		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	25.9		
	Base Number (BN)		ASTM D2896		9.0		
	. ,		ASTM D445		13.2		







Certificate L2367

Report Id: RWMGAR [WUSCAR] 06145568 (Generated: 04/14/2024 12:09:09) Rev: 1

Laboratory Sample No. Unique Number : 10970376

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 **Lab Number** : 06145568

: JR0209592

Received **Tested** Diagnosed

: 11 Apr 2024 : 12 Apr 2024 : 14 Apr 2024 - Don Baldridge 4161 AUBURN CHURCH RD GARNER, NC US 27529

Contact: RALEIGH SHOP sean.betts@jamesriverequipment.com;catherine.anastasio@wearcheck.com

Test Package : CONST (Additional Tests: TBN) 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.

T: (919)614-2260 F: (919)779-5432

JRE - GARNER