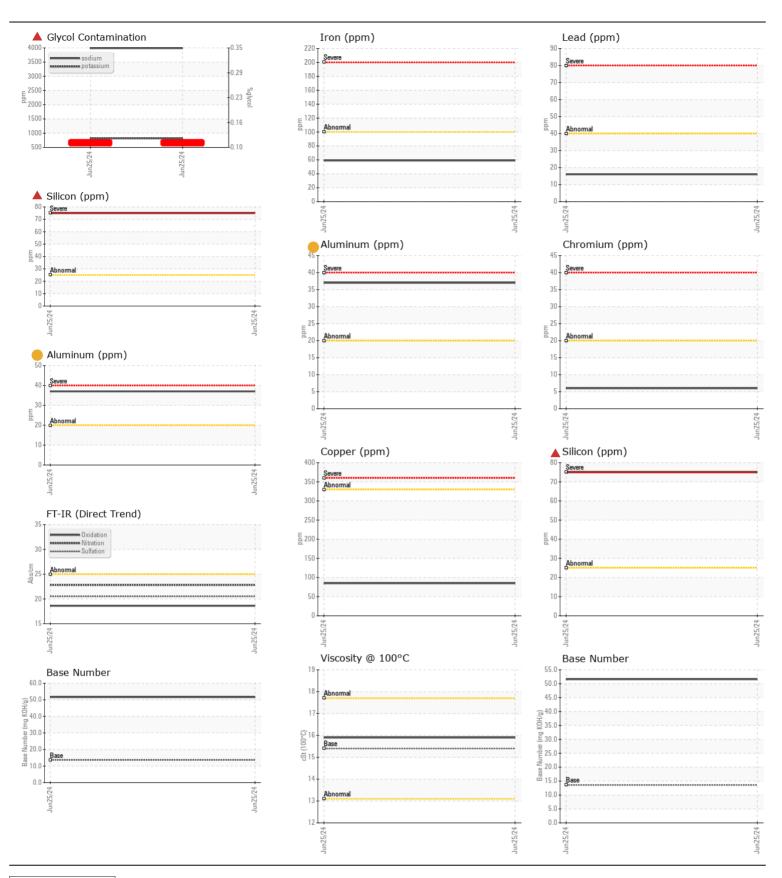
**WEAR CONTAMINATION FLUID CONDITION** 

**ATTENTION SEVERE ABNORMAL** 

## NOT GIVEN JR0207338 - 8543 HRS (S/N NO INFO ON SIF/BOTTLE) Diesel Engine

DECOMMEND ATION	<b>-</b> .		A.4. (1	11 000	( )		1.00
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you check for the source of the coolant leak. Check for low coolant level. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil and perform a filter service on this component if not already done. We recommend an early resample to monitor this condition.	Sample Number		Client Info		JR0207338		
	Sample Date	le es	Client Info		25 Jun 2024		
	Machine Age	hrs	Client Info		8543		
	Oil Age	hrs	Client Info		0		
	Filter Age	hrs	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A SEVERE		
	Sample Status				SEVENE		
VEAR	Iron	ppm	ASTM D5185m	>100	59		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	6		
	Nickel	ppm	ASTM D5185m	>4	2		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>20	<b>37</b>		
	Lead	ppm	ASTM D5185m	>40	16		
	Copper	ppm	ASTM D5185m	>330	85		
	Tin	ppm	ASTM D5185m	>15	8		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION							
CONTAMINATION	Silicon	ppm	ASTM D5185m		<b>▲</b> 75		
Sodium and/or potassium levels are high. There is a high concentration of glycol present in the oil. Elemental levels of silicon (Si) and aluminum (Al) indicate alumina-silicate (coarse dirt) ingress.	Potassium	ppm	ASTM D5185m		<u>▲</u> 812		
	Fuel		WC Method	>5	<1.0		
	Water	0/	WC Method	>0.2	NEG		
	Glycol	%	*ASTM D2982	0	▲ 0.12		
	Soot %	% Aba/am	*ASTM D7844 *ASTM D7624		0.3		
	Nitration Sulfation	Abs/cm	*ASTM D7624	>20	22.8 20.5		
	Silt	Abs/.1mm scalar	*Visual	NONE	20.5 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		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<b>4</b> 3989		
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		290		
oil. The oil is no longer serviceable due to the presence of contaminants.	Barium	ppm	ASTM D5185m		4		
	Molybdenum	ppm	ASTM D5185m		1003		
	Manganese	ppm	ASTM D5185m		3		
	Magnesium	ppm	ASTM D5185m		762		
	Calcium	ppm	ASTM D5185m		1060		
	Phosphorus	ppm	ASTM D5185m		975		
	Zinc	ppm	ASTM D5185m		1065		
	Sulfur	ppm	ASTM D5185m		3257		
	Oxidation	Abs/.1mm	*ASTM D7414		18.6		
	Base Number (BN)				51.6		
	Visc @ 100°C	cSt	ASTM D445	15 /	15.9		





Certificate L2367

Laboratory Sample No. Lab Number

: JR0207338 : 06220829

Unique Number : 11099026

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 26 Jun 2024 **Tested** 

: 28 Jun 2024 Diagnosed Test Package: MOBCE (Additional Tests: Glycol, TBN)

: 28 Jun 2024 - Jonathan Hester

JRE - SALEM 3902 W. MAIN STREET SALEM, VA

US 24153 Contact: ROBERT SMITH ROBERT.SMITH@JAMESRIVEREQUIPMENT.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.

T: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (540)380-5547

Contact/Location: ROBERT SMITH - JAMSALJR