

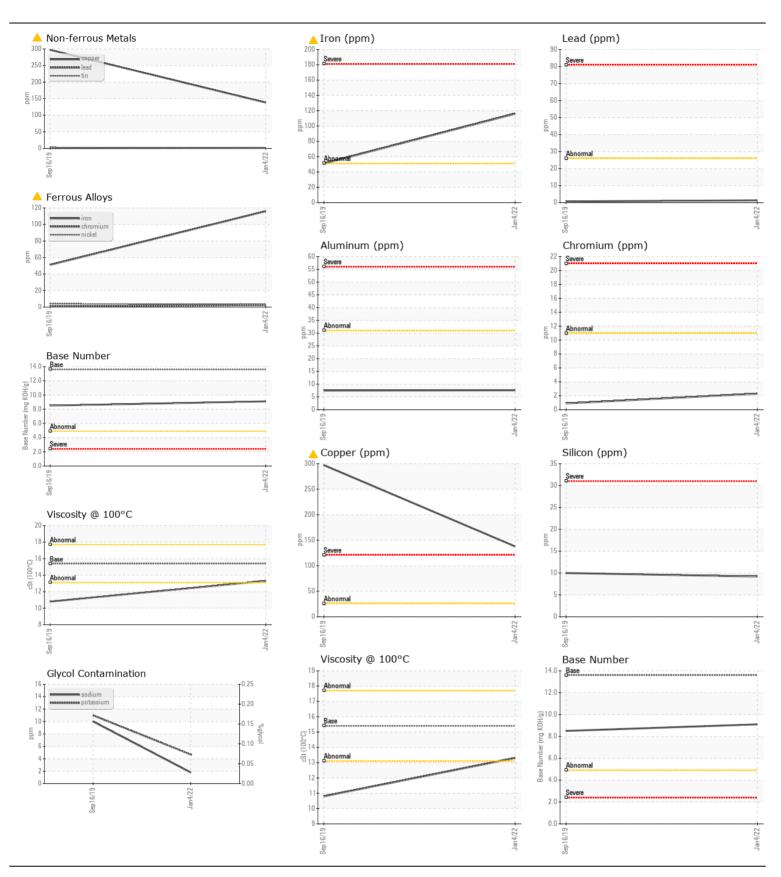
**WEAR CONTAMINATION FLUID CONDITION**  **ABNORMAL NORMAL NORMAL** 

## Store 9 - Marietta [124061]

## 1DW260ETKKF694187

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0027207	LEC0006187	
	Sample Date		Client Info		04 Jan 2022	16 Sep 2019	
	Machine Age	hrs	Client Info		1298	611	
	Oil Age	hrs	Client Info		687	611	
	Filter Age	hrs	Client Info		687	611	
	Oil Changed		Client Info		Changed	Changed	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				ABNORMAL	ABNORMAL	
VE A D	lus a		AOTA DE40E		A 440		
WEAR	Iron	ppm	ASTM D5185m		<u> </u>	51	
The copper level has decreased, but is still abnormal. Cylinder, crank, or cam shaft wear is indicated.	Chromium	ppm	ASTM D5185m		2	<1	
	Nickel	ppm	ASTM D5185m	>5	3	4	
	Titanium	ppm	ASTM D5185m		<1	0	
	Silver	ppm	ASTM D5185m	0.4	<1	0	
	Aluminum	ppm	ASTM D5185m		8	8	
	Lead	ppm	ASTM D5185m		1	<1	
	Copper	ppm	ASTM D5185m		<u> </u>	<u>^</u> 297	
	Tin	ppm	ASTM D5185m	>4	1	3	
	Vanadium	ppm	ASTM D5185m	NONE	<1	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	9	10	
	Potassium	ppm	ASTM D5185m		5	11	
There is no indication of any contamination in the oil.	Fuel	1-1-	WC Method		<1.0	<1.0	
	Water		WC Method		NEG	NEG	
	Glycol	%	*ASTM D2982		NEG	NEG	
	Soot %	%	*ASTM D7844	>3	0.4	0.3	
	Nitration	Abs/cm	*ASTM D7624	>20	9	8.7	
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.7	22.2	
	Silt	scalar	*Visual	NONE	NONE	NONE	
	Debris	scalar	*Visual	NONE	NONE	NONE	
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	
	Appearance	scalar	*Visual	NORML	NORML	NORML	
	Odor	scalar	*Visual	NORML	NORML	NORML	
	<b>Emulsified Water</b>	scalar	*Visual	>0.21	NEG	NEG	
LUID CONDITION	Sodium	ppm	ASTM D5185m	>31	2	10	
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		196	167	
oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		<1	2	
	Molybdenum	ppm	ASTM D5185m		282	251	
	Manganese	ppm	ASTM D5185m		2	1	
	Magnesium	ppm	ASTM D5185m		907	821	
	Calcium	ppm	ASTM D5185m		1553	1508	
	Phosphorus	ppm	ASTM D5185m		931	846	
	Zinc	ppm	ASTM D5185m		1060	980	
	Sulfur	ppm	ASTM D5185m		2691	2175	
	Oxidation	Abs/.1mm	*ASTM D7414		17.1	17.1	
	Base Number (BN)	mg KOH/g	ASTM D2896	100	9.1	8.5	







Certificate L2367

Laboratory Sample No. Lab Number **Unique Number** 

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : 05438764

: LEC0027207 : 9802957

Recieved : 07 Jan 2022 Diagnosed

: 10 Jan 2022 Diagnostician : Don Baldridge

Test Package : MOBCE ( Additional Tests: Glycol, 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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

LESLIE EQUIPMENT COMPANY

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