



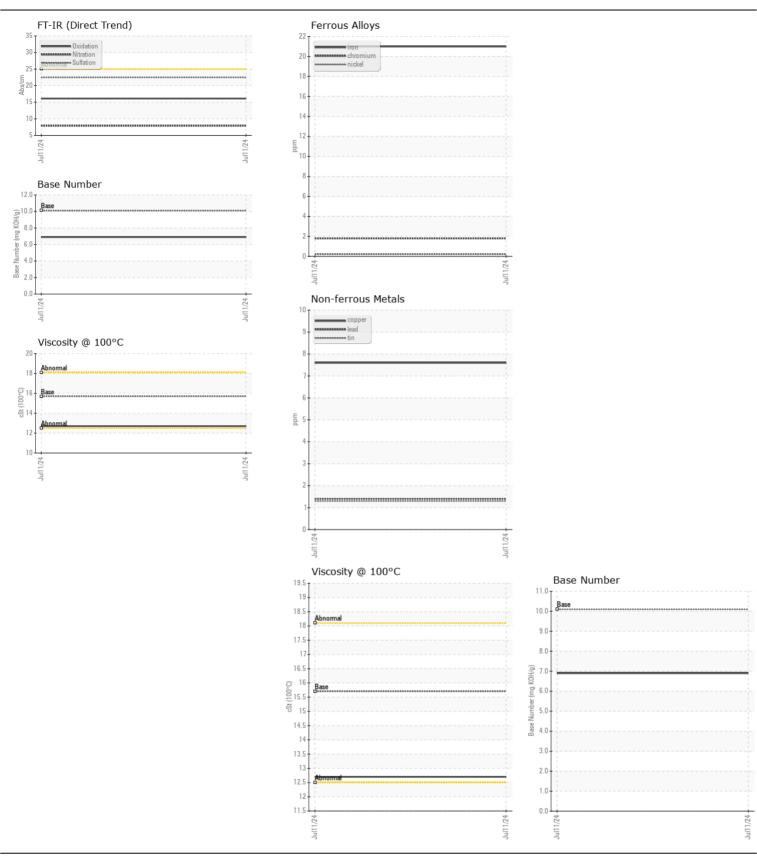
WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

Store 9 - Marietta

1133 Component Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History 2
Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0051480		
	Sample Date		Client Info		11 Jul 2024		
	Machine Age	hrs	Client Info		989		
	Oil Age	hrs	Client Info		400		
	Filter Age	hrs	Client Info		400		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
/EAR	Iron	ppm	ASTM D5185m	>100	21		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>20	2		
	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m	>20	32		
	Lead	ppm	ASTM D5185m	>40	1		
	Copper	ppm	ASTM D5185m	>330	8		
	Tin	ppm	ASTM D5185m	>15	1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
ONTAMINATION	Silicon	ppm	ASTM D5185m	-	12		
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	82		
	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.4		
	Nitration	Abs/cm	*ASTM D7624	>20	7.9		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.5		
	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	scalar	*Visual	>0.2	NEG		
LUID CONDITION	0 "		AOTA DE LOS		_		
LUID CONDITION	Sodium	ppm	ASTM D5185m	040	7		
he AN level is acceptable for this fluid. The condition of the oil is	Boron	ppm	ASTM D5185m		288		
suitable for further service.	Barium	ppm	ASTM D5185m		<1		
	Molybdenum	ppm	ASTM D5185m	1.2	83		
	Manganese	ppm	ASTM D5185m	0.1	<1		
	Magnesium	ppm	ASTM D5185m		421		
	Calcium	ppm	ASTM D5185m		1418		
	Phosphorus	ppm	ASTM D5185m		915		
	Zinc	ppm	ASTM D5185m		1157		
	Sulfur	ppm	ASTM D5185m		2788		
	Oxidation	Abs/.1mm	*ASTM D7414		16.1		
	Base Number (BN)	mg KOH/g	ASTM D2896	10.1	6.9		







Certificate L2367

Laboratory Sample No.

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

: LEC0051480 Lab Number : 06239912

Unique Number : 11128746

Received **Tested**

Diagnosed

: 18 Jul 2024

: 18 Jul 2024

: 19 Jul 2024 - Don Baldridge

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.

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

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