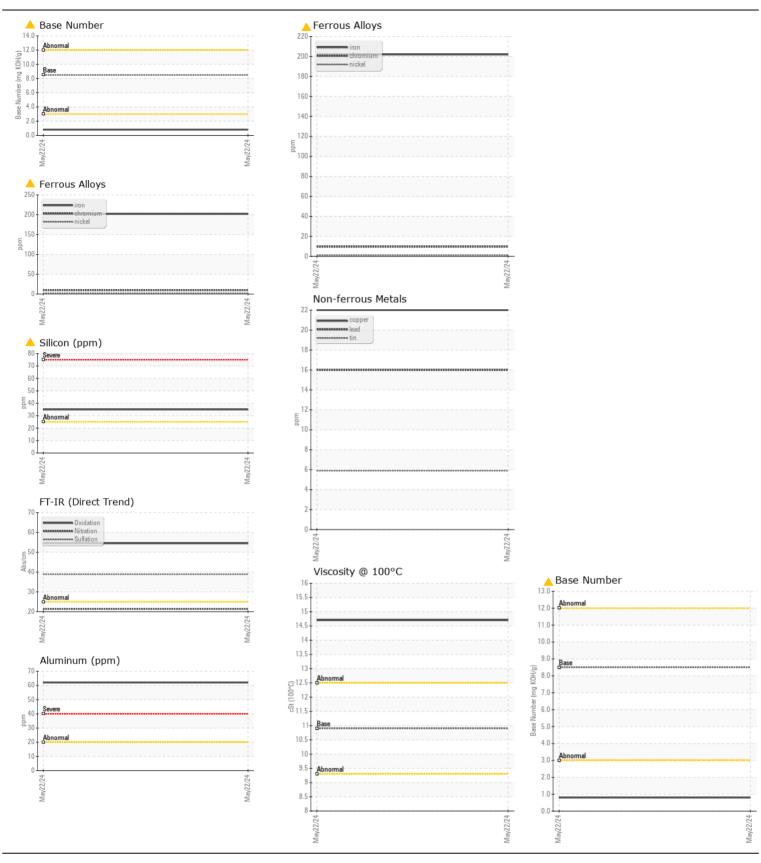
WEAR CONTAMINATION **FLUID CONDITION**

ABNORMAL ABNORMAL ABNORMAL

Machine Id

907 Component Diosal Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number	OOM	Client Info	LIIII07 IOII	HRE0000227		
	Sample Date		Client Info		22 May 2024		
	Machine Age	mls	Client Info		119121		
	Oil Age	mls	Client Info		100000		
	Filter Age	mls	Client Info		50000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
VEAR	Iron	ppm	ASTM D5185m	>100	<u>^</u> 202		
	Chromium	ppm	ASTM D5185m		10		
Cylinder, crank, or cam shaft wear is indicated.	Nickel	ppm	ASTM D5185m		1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	1		
	Aluminum	ppm	ASTM D5185m	>20	62		
	Lead	ppm	ASTM D5185m	>40	16		
	Copper	ppm	ASTM D5185m	>330	22		
	Tin	ppm	ASTM D5185m	>15	6		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
NONT A BAIN A TION	Ciliaan		ACTM DE10Em	. 05	A 25		
CONTAMINATION	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m		▲ 35 183		
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. Elemental level of silicon (Si) above normal indicating ingress of seal material.	Fuel	ppm	WC Method		<1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	70. 2	NEG		
	Soot %	%	*ASTM D7844	>3	1		
	Nitration	Abs/cm		>20	21.4		
	Sulfation	Abs/.1mm	*ASTM D7415		38.9		
	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	Sodium	ppm	ASTM D5185m		7		
	Boron	ppm	ASTM D5185m	250	19		
The BN level is low.	Barium	ppm	ASTM D5185m	10	<1		
	Molybdenum	ppm	ASTM D5185m	100	73		
	Manganese	ppm	ASTM D5185m		7		
	Magnesium	ppm	ASTM D5185m	450	651		
	Calcium	ppm	ASTM D5185m	3000	2004		
	Phosphorus	ppm	ASTM D5185m	1150	1168		
	Zinc	ppm	ASTM D5185m	1350	1513		
	Sulfur	ppm	ASTM D5185m	4250	3408		
	-	A1 / 4	*ACTM D7444	. 05	EAE		
	Oxidation Base Number (BN)	Abs/.1mm	*ASTM D7414		54.5		





Certificate L2367

Laboratory Sample No.

Test Package : FLEET

: HRE0000227 Lab Number : 06193240 Unique Number : 11049992

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

Diagnosed

: 28 May 2024 : 30 May 2024

: 30 May 2024 - Sean Felton

MABE TRUCKING PO BOX 1081 EDEN, NC

US 27289 Contact: MAINTENANCE

To discuss this sample report, contact Customer Service at 1-800-237-1369. maintenancemanager@mabetrucking.com * - 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: (336)635-1791

Contact/Location: MAINTENANCE ? - MABEDE

T: