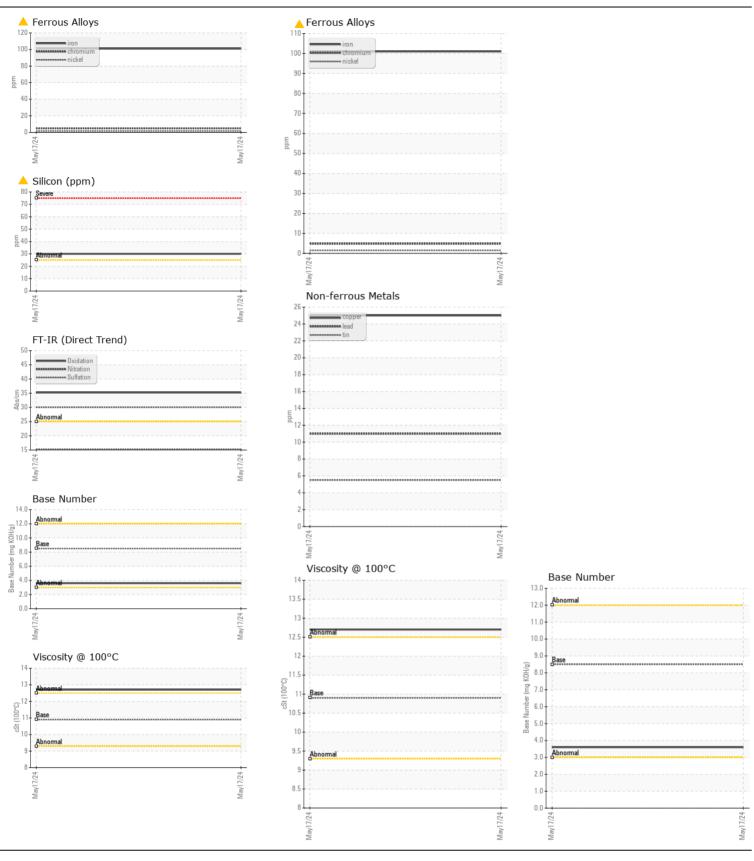
WEAR CONTAMINATION **FLUID CONDITION** **ABNORMAL ABNORMAL NORMAL**

Machine Id

PETERBILT 2416

DIECEL ENGINE OIL CAE EMOO (44 OTC)							
DIESEL ENGINE OIL SAE 5W30 (44 QTS)	Test	UOM	Method	Limit/Abn	Current		Liston/2
PECOMMENDATION Oil and filter change at the time of sampling has been noted. No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	LIIIIUADII	HRE0000221	History1	History2
	Sample Date		Client Info		17 May 2024		
	Machine Age	mls	Client Info		106332		
	Oil Age	mls	Client Info		50000		
	Filter Age	mls	Client Info		50000		
	Oil Changed	11115	Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status		Client into		ABNORMAL		
	····						
WEAR	Iron	ppm	ASTM D5185m	>100	<u> </u>		
	Chromium	ppm	ASTM D5185m	>20	5		
The iron level is abnormal. All other component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	2		
	Titanium	ppm	ASTM D5185m	>2	<1		
	Silver	ppm	ASTM D5185m	>2	<1		
	Aluminum	ppm	ASTM D5185m	>25	24		
	Lead	ppm	ASTM D5185m	>40	11		
	Copper	ppm	ASTM D5185m	>330	25		
	Tin	ppm	ASTM D5185m	>15	6		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONT ABOUT TON							
	Silicon	ppm	ASTM D5185m		<u> </u>		
Elemental level of silicon (Si) above normal indicating ingress of seal material.	Potassium -	ppm	ASTM D5185m		75		
	Fuel		WC Method		<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol	21	WC Method	0	NEG		
	Soot %	%	*ASTM D7844		0.8		
	Nitration	Abs/cm	*ASTM D7624	>20	15.2		
	Sulfation	Abs/.1mm	*ASTM D7415		30.0		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML NORML	NORML		
	Odor Emulaified Water	scalar	*Visual	-	NORML		
	Emulsified Water	Scalai	*Visual	>0.2	NEG		
FLUID CONDITION S	Sodium	ppm	ASTM D5185m		4		
	Boron	ppm	ASTM D5185m	250	17		
The BN result indicates that there is suitable alkalinity remaining in the	Barium	ppm	ASTM D5185m	10	5		
oil. The condition of the oil is acceptable for the time in service.	Molybdenum	ppm	ASTM D5185m		66		
	Manganese	ppm	ASTM D5185m		5		
	Magnesium	ppm	ASTM D5185m	450	599		
	Calcium	ppm		3000	1532		
	Phosphorus	ppm	ASTM D5185m		1119		
	Zinc	ppm		1350	1312		
	Sulfur	ppm	ASTM D5185m		2958		
	Oxidation	Abs/.1mm	*ASTM D7414		35.2		
E	Base Number (BN)		ASTM D2896		3.6		
	Visc @ 100°C	cSt	ASTM D445		12.7		
· ·					· /		





Certificate L2367

Laboratory Sample No.

: HRE0000221 Lab Number : 06190002 Unique Number : 11046754

Test Package : FLEET

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

Received **Tested** Diagnosed

: 23 May 2024 : 31 May 2024

: 31 May 2024 - Sean Felton

MABE TRUCKING PO BOX 1081 EDEN, NC

F: (336)635-1791

US 27289 Contact: MAINTENANCE

maintenancemanager@mabetrucking.com T:

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)