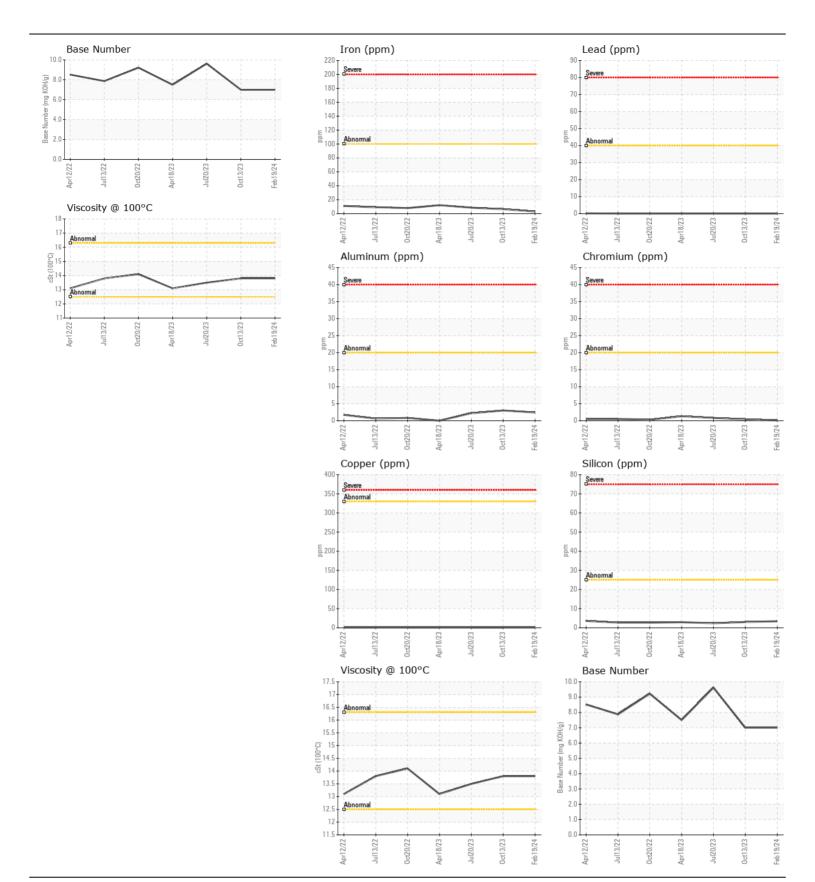
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

MIXERS
Machine Id
[MIXERS] M217

Component Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		PCA0109789	LP0000663	LP0000190
	Sample Date		Client Info		19 Feb 2024	13 Oct 2023	20 Jul 202
	Machine Age	hrs	Client Info		5882	5447	4903
	Oil Age	hrs	Client Info		600	600	600
	Filter Age	hrs	Client Info		600	600	600
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>100	3	6	8
	Chromium	ppm	ASTM D5185m	>20	<1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	<1
	Titanium	ppm	ASTM D5185m		<1	1	1
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m	>20	2	3	2
	Lead	ppm	ASTM D5185m	>40	0	0	0
	Copper	ppm	ASTM D5185m	>330	<1	<1	<1
	Tin	ppm	ASTM D5185m	>15	<1	0	0
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	<b>&gt;</b> 25	3	3	2
CONTAMINATION	Potassium	ppm	ASTM D5185m		1	2	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	<b>\3</b>	0.4	0.5	0.7
	Nitration	Abs/cm	*ASTM D7624		8.4	8.3	9.1
	Sulfation	Abs/.1mm	*ASTM D7415		18.2	18.4	19.9
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Co alia		ACTA DE10E				4
FLUID CONDITION	Sodium	ppm	ASTM D5185m	0.0	2	2	4
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		48	38	35
	Barium	ppm	ASTM D5185m		0	0	0
	Monganasa	ppm	ASTM D5185m	0.4	78	85 0	79
	Manganese	ppm	ASTM D5185m	077	<1		<1
	Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		112 1972	210 2001	305 1990
		ppm	ASTM D5185m			966	1049
	Phosphorus Zinc	ppm	ASTM D5185m		1005 1187	1224	1283
	Sulfur	ppm	ASTM D5185m	_		3914	4374
	Oxidation	ppm Abe/1mm			3551 12.5		
	Base Number (BN)	Abs/.1mm	*ASTM D7414	>20	13.5 7.0	13.4 7.0	14.9 9.62
	Dase Mulliper (DIV)	THU NUM/O	MO LIVI DZOSO		/ .U	/ . ( )	3.04







Certificate L2367

Laboratory Sample No.

Lab Number : 06105097 Unique Number: 10903327 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : PCA0109789 : 29 Feb 2024 **Tested** :01 Mar 2024

: 01 Mar 2024 - Wes Davis

Diagnosed

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)

**CONSTRUCTION SERVICES** 

2420 BOSTON RD  $WILBRAHAM,\,MA$ US 01095

Contact: Michael Dupuis

mdupuis@cs-ma.us T: (413)733-6331

F: