WEAR CONTAMINATION **FLUID CONDITION**

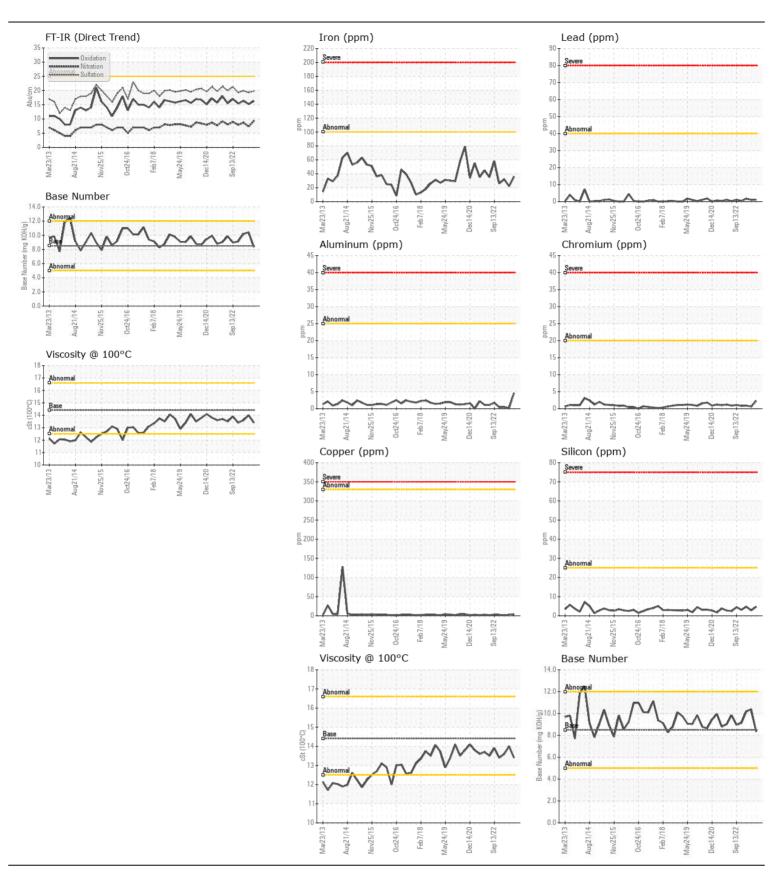
NORMAL **NORMAL NORMAL**

Machine Id

ADV MIXER 177

Component
Diesel Engine

Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status	hrs hrs	Client Info Client Info Client Info Client Info Client Info		LP0001047 05 Apr 2024 40000	LP0000166 18 Aug 2023	LP0000449 22 May 2023
Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status	hrs	Client Info Client Info Client Info Client Info			18 Aug 2023	22 May 202
Oil Age Filter Age Oil Changed Filter Changed Sample Status	hrs	Client Info Client Info Client Info		40000		
Filter Age Oil Changed Filter Changed Sample Status		Client Info Client Info		40000	40000	40154
Oil Changed Filter Changed Sample Status	hrs	Client Info		500	500	500
Filter Changed Sample Status				500	500	500
Sample Status		011		Changed	Changed	Changed
		Client Info		Changed	Changed	Changed
				NORMAL	NORMAL	NORMAL
Iron	ppm	ASTM D5185m	>100	36	22	32
Chromium	ppm	ASTM D5185m	>20	2	<1	<1
Nickel	ppm	ASTM D5185m	>2	0	0	0
Titanium	ppm	ASTM D5185m	>2	0	<1	0
Silver	ppm	ASTM D5185m	>2	0	0	0
Aluminum	ppm	ASTM D5185m	>25	5	<1	<1
Lead	ppm	ASTM D5185m	>40	1	1	2
Copper	ppm	ASTM D5185m	>330	4	2	2
Tin	ppm		>15	<1	0	<1
Vanadium	ppm			0	<1	0
White Metal	scalar	*Visual	NONE	LIGHT	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	maa	ASTM D5185m	>25	5	3	5
Potassium	• •	ASTM D5185m	>20	2	2	1
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4
Nitration	Abs/cm	*ASTM D7624	>20	9.3	7.3	8.7
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	19.3	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					NORM
						NORM
Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m	>158	1	2	<1
Boron	ppm	ASTM D5185m	250	12	8	17
Barium	ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	61	64	66
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm			712	999	894
Calcium	ppm			1411	1268	1278
Phosphorus	ppm			1138	1127	1082
Zinc	ppm			1294	1415	1358
Sulfur	ppm			3338	4160	4050
	Abs/.1mm				15.2	16.3
						10.19
	Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur Oxidation	Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar Yellow Metal scalar Silicon ppm Potassium ppm Fuel Water Glycol Soot % % Nitration Abs/cm Sulfation Abs/.1mm Silt scalar Debris scalar Sand/Dirt scalar Appearance scalar Codor scalar Emulsified Water scalar Sodium ppm Boron ppm Barium ppm Molybdenum ppm Manganese ppm Magnesium ppm Calcium ppm Calcium ppm Phosphorus ppm Sulfur ppm Sulfur ppm Sulfur ppm Cxidation Abs/.1mm Base Number (BN) mg KOH/g	Silver ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel WC Method Water WC Method Glycol WC Method Soot % *ASTM D7844 Nitration Abs/cm *ASTM D7624 Sulfation Abs/.1mm *ASTM D7415 Silt scalar *Visual Debris scalar *Visual Appearance scalar *Visual Appearance scalar *Visual Emulsified Water scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Barium ppm ASTM D5185m Molybdenum ppm ASTM D5185m Manganese ppm ASTM D5185m Manganese ppm ASTM D5185m Magnesium ppm ASTM D5185m Magnesium ppm ASTM D5185m Calcium ppm ASTM D5185m	Silver ppm ASTM D5185m >2 Aluminum ppm ASTM D5185m >25 Lead ppm ASTM D5185m >40 Copper ppm ASTM D5185m >330 Tin ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >15 Vanadium ppm ASTM D5185m >25 Vanadium ppm ASTM D5185m >20 Wellow Potassium ppm ASTM D5185m >20 Fuel WC Method >5 Vater WC Method >5 Water WC Method >0.2 Glycol WC Method >0.2 Worklight Your ASTM D7844 >3 Nitration Abs/.1mm *ASTM D7844 >3 Nitration Abs/.1mm *ASTM D7815 >30 Silt scalar *Visual NONE Sand/Dir	Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >25 5 Lead ppm ASTM D5185m >40 1 Copper ppm ASTM D5185m >330 4 Tin ppm ASTM D5185m >15 <1	Silver ppm ASTM D5185m >2 0 0 Aluminum ppm ASTM D5185m >25 5 <1 Lead ppm ASTM D5185m >40 1 1 Copper ppm ASTM D5185m >330 4 2 Tin ppm ASTM D5185m >15 <1 0 Vanadium ppm ASTM D5185m >15 <1 0 Vanadium ppm ASTM D5185m >15 <1 0 White Metal scalar *Visual NONE NONE NONE Vellow Metal scalar *Visual NONE NONE NONE Silicon ppm ASTM D5185m >20 2 2 Potassium ppm ASTM D5185m >20 2 2 Water WC Method >5 <1.0 <1.0 Water WC Method >0.2 NEG NEG Soti Water WC Method <t< td=""></t<>







Certificate L2367

Laboratory Sample No.

Lab Number : 06151302 Unique Number: 10981380 Test Package : MOB 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LP0001047 Received : 16 Apr 2024 **Tested** : 18 Apr 2024

: 18 Apr 2024 - Wes Davis Diagnosed

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MILLIS, MA US 02054

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Contact: JACK GALIANO jgaliano@trescaconcrete.com T: (508)376-2957

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)