WEAR CONTAMINATION **FLUID CONDITION**

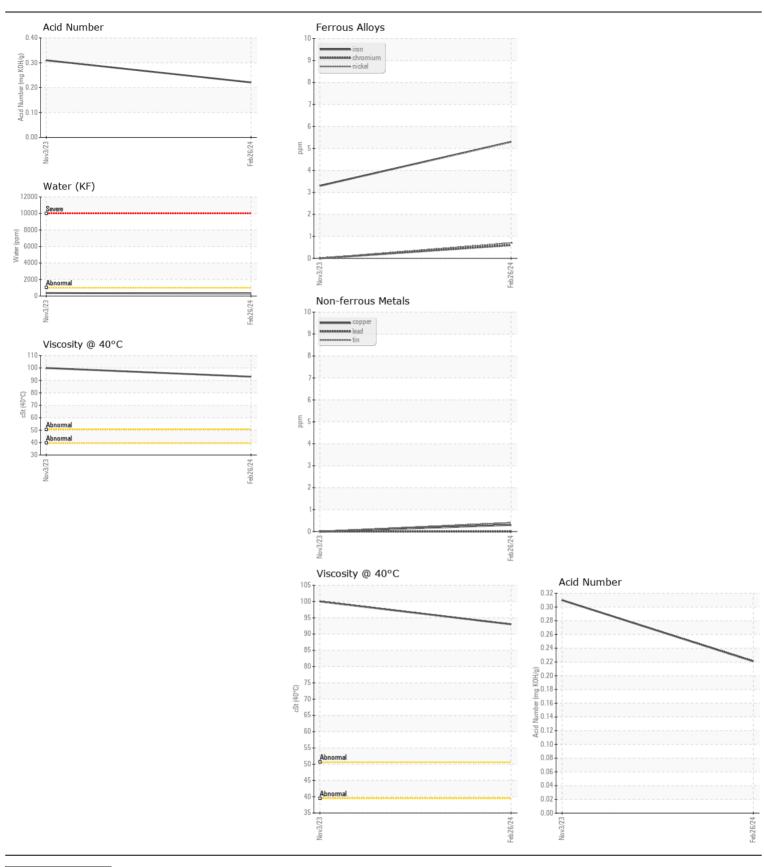
NORMAL NORMAL NORMAL

MATTEI 10020797 - GSB INDUSTRIES

Component Compressor

OTS

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37234	AN36466	
Sample Date		Client Info		26 Feb 2024	03 Nov 2023	
Machine Age	hrs	Client Info		4000	4000	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				NORMAL	ABNORMAL	
Iron	nnm	ASTM D5185m	>50	5	3	
			710			
			>25			
			NONE		-	
Silicon	ppm	ASTM D5185m	>25	7	<u>4</u> 3	
Potassium	nnm	ASTM D5185m	>20	1	0	
	ρρ		/ _ 0		0	
Water	%	ASTM D6304	>0.1	0.029	0.036	
			>0.1		-	
Water	%	ASTM D6304	>0.1	0.029	0.036	
Water ppm Water	% ppm	ASTM D6304 ASTM D6304	>0.1 >1000	0.029 290	0.036 368.1	
Water ppm Water Silt	% ppm scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual	>0.1 >1000 NONE	0.029 290 NONE	0.036 368.1 NONE	
Water ppm Water Silt Debris Sand/Dirt Appearance	% ppm scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE	0.036 368.1 NONE NONE NONE	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor	% ppm scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML	0.036 368.1 NONE NONE NONE NORML	
Water ppm Water Silt Debris Sand/Dirt Appearance	% ppm scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NONE	0.036 368.1 NONE NONE NONE	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor	% ppm scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML	0.036 368.1 NONE NONE NONE NORML	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	% ppm scalar scalar scalar scalar scalar scalar	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG	0.036 368.1 NONE NONE NONE NORML	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	% ppm scalar scalar scalar scalar scalar scalar ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG	0.036 368.1 NONE NONE NORML NORML NEG	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	% ppm scalar scalar scalar scalar scalar ppm ppm	ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7	0.036 368.1 NONE NONE NORML NORML NEG	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	% ppm scalar scalar scalar scalar scalar ppm ppm	ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0	0.036 368.1 NONE NONE NONE NORML NORML NEG 1 0	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML ORML ORML NEG 7 0 0 <1	0.036 368.1 NONE NONE NONE NORML NORML NEG	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0 0 <1 <1	0.036 368.1 NONE NONE NONE NORML NORML NEG 1 0 0	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0 <1 <1 <1	0.036 368.1 NONE NONE NONE NORML NORML NEG 1 0 0 0 0	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0 0 <1 <1 <1 0	0.036 368.1 NONE NONE NORML NORML NEG	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0 <1 <1 <1 <1 0 645	0.036 368.1 NONE NONE NONE NORML NORML NORML 0 0 0 2 14	
Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	% ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual ASTM D5185m	>0.1 >1000 NONE NONE NONE NORML	0.029 290 NONE NONE NONE NORML NORML NEG 7 0 <1 <1 <1 0 645 13	0.036 368.1 NONE NONE NONE NORML NORML NEG 1 0 0 0 2 14 13	
	Sample Number Sample Date Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon	Sample Number Sample Date Machine Age hrs Oil Age hrs Filter Age hrs Oil Changed Filter Changed Sample Status Iron ppm Chromium ppm Nickel ppm Titanium ppm Silver ppm Aluminum ppm Lead ppm Copper ppm Tin ppm Vanadium ppm White Metal scalar Yellow Metal scalar	Sample Number Sample Date Client Info Machine Age Oil Age hrs Client Info Client Info Oil Age hrs Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m Visual Yellow Metal Scalar *Visual	Sample Number Sample Date Client Info Machine Age hrs Client Info Oil Age hrs Client Info Client Info Oil Age hrs Client Info Oil Changed Filter Changed Filter Changed Sample Status Iron ppm ASTM D5185m Silver ppm ASTM D5185m ASTM D5185m Silver ppm ASTM D5185m ASTM D5	Sample Number Client Info AN37234 Sample Date Client Info 26 Feb 2024 Machine Age hrs Client Info 4000 Oil Age hrs Client Info 0 Filter Age hrs Client Info N/A Filter Age Client Info N/A Filter Changed Client Info N/A Sample Status NORMAL Iron ppm ASTM D5185m >50 5 Chromium ppm ASTM D5185m >10 <1 Nickel ppm ASTM D5185m >1 <1 Titanium ppm ASTM D5185m >25 5 Aluminum ppm ASTM D5185m >25 5 Lead ppm ASTM D5185m >25 0 Copper ppm ASTM D5185m >15 <1 Vanadium ppm ASTM D5185m >15 <1 White Metal scalar *Visual NONE NONE	Sample Number Client Info AN37234 AN36466 Sample Date Client Info 26 Feb 2024 03 Nov 2023 Machine Age hrs Client Info 4000 4000 Oil Age hrs Client Info 0 0 Filter Age hrs Client Info N/A N/A Oil Changed Client Info N/A N/A Filter Changed Client Info N/A N/A Sample Status NORMAL ABNORMAL Iron ppm ASTM D5185m >50 5 3 Chromium ppm ASTM D5185m >10 <1 0 Nickel ppm ASTM D5185m <1 0 0 Titanium ppm ASTM D5185m >25 5 0 Silver ppm ASTM D5185m >25 5 0 Aluminum ppm ASTM D5185m >50 <1 0 Copper ppm ASTM D5185m >1







Certificate L2367

Laboratory Sample No.

: AN37234 Lab Number : 06106228 Unique Number: 10909725 Test Package : IND 2

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 01 Mar 2024 : 05 Mar 2024 **Tested**

Diagnosed

: 05 Mar 2024 - Jonathan Hester

RANDALLSTOWN, MD US 21133 Contact: MARTY WARD

MATTEI COMPRESSORS--OEM

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jward@matteicomp.com T: (410)521-7020

F: (410)521-7024

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)