

Machine Id MATTEI 10009365-2019 - ASU-246 Component Compressor Fluid ROTOROIL 8000F2 (2 QTS)

RECOMMENDATION

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

NA		
		V R
v v		
	_	

The iron level is abnormal. All other component wear rates are normal.

CONTAMINATION

Elemental level of silicon (Si) above normal. The water content is negligible.

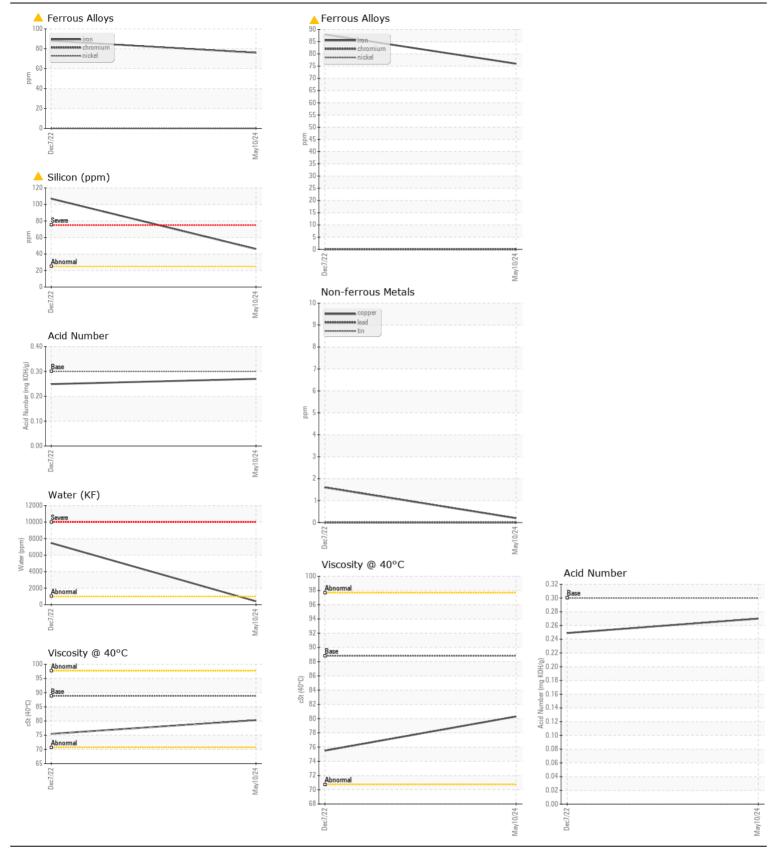
.

FLUID CONDITION

The AN level is acceptable for this fluid.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37635	AN38550	
Sample Date		Client Info		10 May 2024	07 Dec 2022	
Machine Age	hrs	Client Info		3260	1507	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ABNORMAL	ABNORMAL	
Iron		ASTM D5185m	>50	7 6	88	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m	>10	0	0	
Titanium	ppm	ASTM D5185m		0	0	
	ppm	ASTM D5185m		-	÷	
Silver Aluminum	ppm	ASTM D5185m	>25	0 <1	0	
Lead	ppm	ASTM D5185m	>25 >25	<1 0	9	
	ppm			•		
Copper	ppm	ASTM D5185m	>50	<1	2	
Tin	ppm	ASTM D5185m	>15	0	0	
Vanadium White Metal	ppm		NONE	U NONE	NONE	
	scalar	*Visual				
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	4 6	1 07	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	▲ 46 0	▲ 107 4	
Potassium	ppm	ASTM D5185m	>20	0	4	
Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.1	0 0.041	4 ▲ 0.747	
Potassium Water ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.1 >1000	0 0.041 415	4	
Potassium Water ppm Water Silt	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE	0 0.041 415 NONE	4	
Potassium Water ppm Water Silt Debris	ppm % ppm scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual	>20 >0.1 >1000 NONE NONE	0 0.041 415 NONE NONE	4 0.747 7470 NONE MODER	
Potassium Water ppm Water Silt Debris Sand/Dirt	ppm % ppm scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE	0 0.041 415 NONE NONE NONE	4 0.747 7470 NONE MODER NONE	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance	ppm % ppm scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NONE	0 0.041 415 NONE NONE NONE NORML	4 0.747 7470 NONE MODER NONE MILKY	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NONE NORML NORML NEG	4 0.747 7470 NONE MODER NONE MILKY NORML 0.2%	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm % ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NEG 13	4 0.747 7470 NONE NONE NONE MILKY NORML 0.2%	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm % ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NEG 13 0	4 0.747 7470 NONE NONE NONE NONE 0.2% 142 4	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NEG 13 0	4 0.747 7470 NONE MODER NONE MILKY NORML 0.2% 142 4 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NORML 13 0 0 0	4 0.747 7470 NONE MODER NONE MILKY NORML 0.2% 142 4 0 0 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NORML 13 0 0 0 0 0	4 0.747 7470 NONE NONE NONE 0.2% 142 4 0 0 0 1	
Potassium Water ypm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NEG 13 0 0 0 0 0 0 0	4 0.747 NONE NONE NONE NORM 0.2% 142 4 0 0 0 1 1 5	
Potassium Water ypm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NEG 13 0 0 0 0 0 0 0 0 0 0	4 0.747 7470 NONE NONE NORM 0.2% 142 4 0 0 142 142 3	
Potassium 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 scalar ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NORML 13 0 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0.747 7470 NONE MODER NONE 0.2% 142 4 0 0 142 4 0 0 1 5 3 1049	
Potassium 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 scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NORML 13 0 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0.747 7470 NONE NONE NONE 0.2% 142 4 0 0 142 4 0 0 1 5 3 1049 83	
Potassium Water Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Boron Barium Malybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm % scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML >0.1	0 0.041 415 NONE NONE NORML NORML 13 0 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0.747 7470 NONE NONE NORM 0.2% 142 4 0 0 142 4 0 0 1 5 3 1049 83 109	
Potassium 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 scalar ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	0 0.041 415 NONE NONE NORML NORML NORML 13 0 13 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 0.747 7470 NONE NONE NONE 0.2% 142 4 0 0 142 4 0 0 1 5 3 1049 83	

Contact/Location: MARTY WARD - MATTEI



MATTEI COMPRESSORS--OEM Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 回情 Sample No. Received 9635 LIBERTY ROAD, SUITE E : AN37635 : 18 Jun 2024 Lab Number : 06213555 RANDALLSTOWN, MD Tested : 20 Jun 2024 Unique Number : 11086419 : 21 Jun 2024 - Jonathan Hester US 21133 Diagnosed Test Package : IND 2 Contact: MARTY WARD Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jward@matteicomp.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (410)521-7020 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (410)521-7024

Contact/Location: MARTY WARD - MATTEI Page 2 of 2