

# WEAR NORMAL CONTAMINATION MARGINAL FLUID CONDITION NORMAL

#### Machine Id MATTEI 10009695-2019 Component Compressor Fluid ROTOROIL 8000 (2 QTS)

### RECOMMENDATION

No corrective action is recommended at this time. Resample at the next service interval to monitor.

#### WEAR

All component wear rates are normal.

### **CONTAMINATION**

Elemental level of silicon (Si) above normal.

## FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

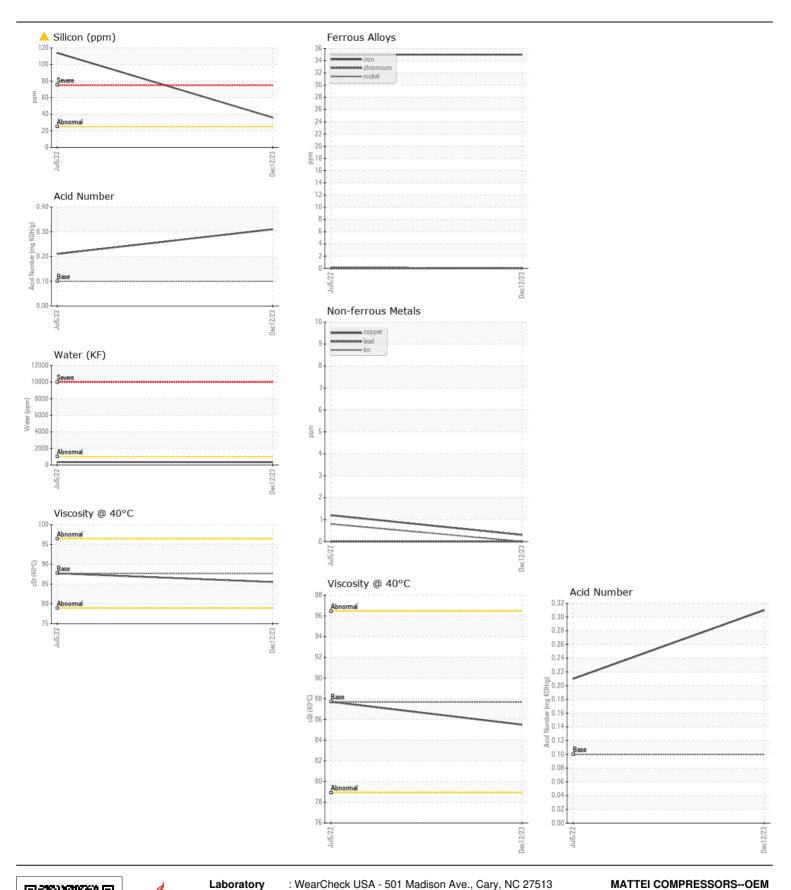
Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		AN37307	AN38674	
Sample Date		Client Info		12 Dec 2023	05 Jul 2022	
Machine Age	hrs	Client Info		3962	1030	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		N/A	N/A	
Sample Status				MARGINAL	ABNORMAL	
Iron	ppm	ASTM D5185m	>50	35	35	
Chromium	ppm	ASTM D5185m	>10	0	0	
Nickel	ppm	ASTM D5185m		0	<1	
Titanium	ppm	ASTM D5185m		0	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>25	1	4	
Lead	ppm	ASTM D5185m	>25	0	0	
Copper	ppm	ASTM D5185m	>50	<1	1	
Tin	ppm	ASTM D5185m	>15	0	<1	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	LIGHT	LIGHT	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	ppm	ASTM D5185m	>25	<b>4</b> 36	▲ 114	
Silicon Potassium	ppm mag	ASTM D5185m ASTM D5185m	>25 >20	▲ 36 0	▲ 114 0	
	ppm ppm %					
Potassium Water	ppm %	ASTM D5185m	>20	0	0	
Potassium	ppm	ASTM D5185m ASTM D6304	>20 >0.1	0 0.034	0 0.035	
Potassium Water ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.1 >1000	0 0.034 342	0 0.035 351.5	
Potassium Water ppm Water Silt	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE	0 0.034 342 NONE	0 0.035 351.5 NONE	
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 0.034 342 NONE LIGHT	0 0.035 351.5 NONE NONE	  
Potassium Water ppm Water Silt Debris Sand/Dirt	ppm % ppm scalar scalar scalar	ASTM D5185m ASTM D6304 *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NONE	0 0.034 342 NONE LIGHT NONE	0 0.035 351.5 NONE NONE NONE	  
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance	ppm % ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NONE	0 0.034 342 NONE LIGHT NONE NORML	0 0.035 351.5 NONE NONE NONE NORML	    
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 NONE NORML	0 0.034 342 NONE LIGHT NONE NORML NORML NEG	0 0.035 351.5 NONE NONE NORML NORML NEG	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm % ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 >1000 NONE NONE NONE NORML	0 0.034 342 NONE LIGHT NONE NORML NORML NEG 8	0 0.035 351.5 NONE NONE NORML NORML NEG 14	
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	>20 >0.1 >1000 NONE NONE NONE NORML	0 0.034 342 NONE LIGHT NONE NORML NORML NEG 8 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0	
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 NONE NORML	0 0.034 342 NONE LIGHT NORML NORML NEG 8 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 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 ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NONE NORML	0 0.034 342 NONE LIGHT NORML NORML NORML NEG 8 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 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 ASTM D6304 *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NONE NORML	0 0.034 342 NONE LIGHT NORML NORML NORML NEG 8 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 0	
Potassium Water ppm 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 NONE NORML	0 0.034 342 NONE LIGHT NORML NORML NEG 8 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 0 <1 0	
Potassium Water ppm 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 NORML >0.1	0 0.034 342 NONE LIGHT NORML NORML NEG 8 0 0 0 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 <1 0 0 <1 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium	ppm % 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 NONE NORML	0 0.034 342 NONE LIGHT NORML NORML NORML 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 <1 0 0 0 813	
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	>20 >0.1 >1000 NONE NONE NORML >0.1	0 0.034 342 NONE LIGHT NORML NORML NORML NEG 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 <1 0 0 <1 0 0 813 82	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm % ppm scalar scalar scalar scalar scalar ppm 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	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>&gt;1000</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> <li>&gt;0.1</li> <li>884</li> <li>International Statements</li> </ul>	0 0.034 342 NONE LIGHT NORML NORML NEG 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 <14 0 0 0 <1 0 0 813 82 191	
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	<ul> <li>&gt;20</li> <li>&gt;0.1</li> <li>&gt;1000</li> <li>NONE</li> <li>NONE</li> <li>NORML</li> <li>&gt;0.1</li> </ul>	0 0.034 342 NONE LIGHT NORML NORML NORML NEG 8 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	0 0.035 351.5 NONE NONE NORML NORML NEG 14 0 0 0 <1 0 0 <1 0 0 813 82	

Visc @ 40°C cSt ASTM D445 87.69

Contact/Location: MARTY WARD - MATTEI

87.7 ----

85.5





 Sample No.
 : AN37307
 Recieved
 : 09 Jan 2024

 Lab Number
 : 06055933
 Diagnosed
 : 11 Jan 2024

 Unique Number
 : 10821882
 Diagnostician
 : Jonathan Hester

 Certificate 12367
 Test Package
 : IND 2

 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)

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Contact/Location: MARTY WARD - MATTEI

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