

ACI-46 Machine Id ATLAS COPCO API669329 - HOUFF WEYERS Component Compressor

RECOMMENDATION

Oil and filter change at the time of sampling has been noted. We recommend an early resample in 500 hours to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

There is a moderate amount of visible silt present in the sample. There is a light concentration of water present in the oil.

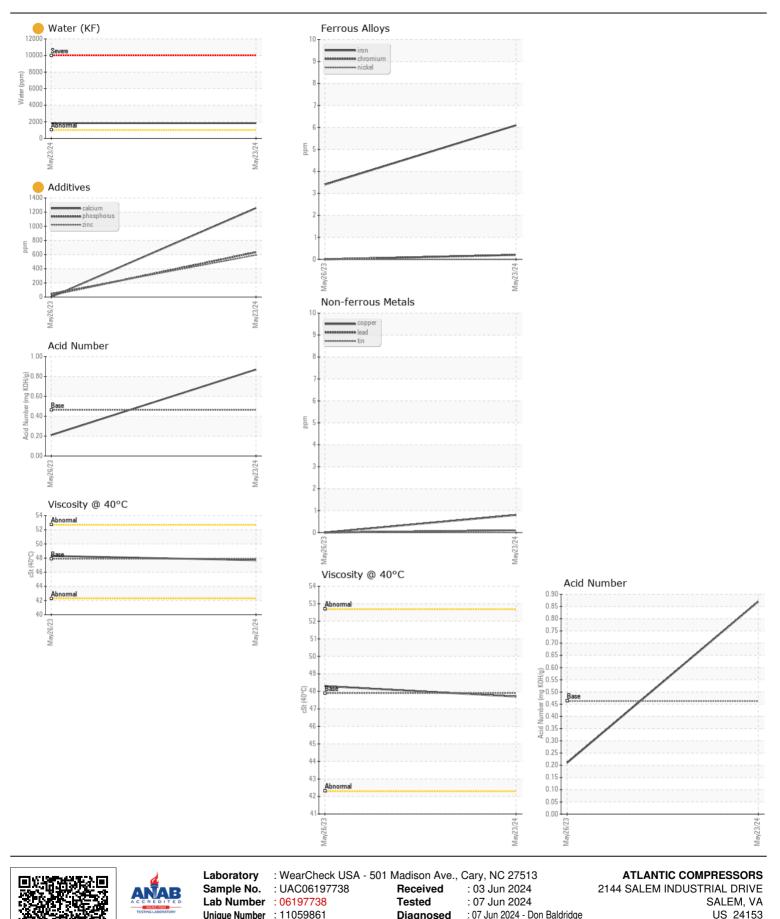
FLUID CONDITION

Additive levels indicate the addition of a different brand, or type of oil. The AN level is acceptable for this fluid.

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Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		UAC06197738	UCH05864447	
Sample Date		Client Info		23 May 2024	26 May 2023	
Machine Age	hrs	Client Info		15799	15139	
Oil Age	hrs	Client Info		660	0	
Filter Age	hrs	Client Info		660	0	
Oil Changed		Client Info		Changed	Changed	
Filter Changed		Client Info		Changed	Changed	
Sample Status				ATTENTION	NORMAL	
				•		
Iron	ppm	ASTM D5185m	>50	6	3	
Chromium	ppm	ASTM D5185m	>5	<1	0	
Nickel	ppm	ASTM D5185m		0	0	
Titanium	ppm	ASTM D5185m		<1	0	
Silver	ppm	ASTM D5185m		0	0	
Aluminum	ppm	ASTM D5185m	>15	4	0	
Lead	ppm	ASTM D5185m	>65	<1	0	
Copper	ppm	ASTM D5185m	>65	<1	0	
Tin	ppm	ASTM D5185m	>10	<1	0	
Vanadium	ppm	ASTM D5185m		0	0	
White Metal	scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
Silicon	nnm	ASTM D5185m	<u>\</u> 35	4	-1	
Silicon	ppm	ASTM D5185m	>35	4	<1	
Potassium	ppm	ASTM D5185m	>20	10	<1	
Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.1	10 • 0.183	<1 	
Potassium Water ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.1 >1000	10 • 0.183 • 1830	<1 	
Potassium Water ppm Water Silt	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE	10 0.183 1830 MODER	<1  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	10 0.183 1830 MODER NONE	<1  NONE NONE	  
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 NONE	10 0.183 1830 MODER NONE NONE	<1  NONE NONE 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	10 0.183 1830 MODER NONE NONE NORML	<1  NONE NONE NONE NORML	    
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor	ppm % ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NONE NORML	10 0.183 1830 MODER NONE NONE NORML NORML	<1  NONE NONE NONE NORML NORML	
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	10 0.183 1830 MODER NONE NONE NORML	<1  NONE NONE NONE NORML	    
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor	ppm % ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NONE NORML	10 0.183 1830 MODER NONE NONE NORML NORML	<1  NONE NONE NONE NORML NORML	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % ppm 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	10 0.183 1830 MODER NONE NONE NORML NORML 0.2%	<1  NONE 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	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	10 0.183 1830 MODER NONE NONE NORML NORML 0.2%	<1  NONE NONE NORML NORML NEG 2	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm % ppm scalar scalar scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	10 0.183 1830 MODER NONE NORE NORML 0.2% 37 0	<1  NONE NONE NORML NORML NEG 2 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 *Visual ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML >0.1	10 0.183 1830 MODER NONE NORML 0.2% 37 0 1	<1  NONE NONE NORML NORML NEG 2 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 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 NORML NORML >0.1	10 0.183 1830 MODER NONE NORE NORML 0.2% 37 0 1 9	<1  NONE NONE NORML NORML NEG 2 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 ppm 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 NORML NORML >0.1	10 0.183 1830 MODER NONE NORE NORML 0.2% 37 0 1 9 0	<1  NONE NONE NORML NORML NEG 2 0 0 0 0 0 2	
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 scalar 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 NORML >0.1 1.5 0 0 0.3 0	10 0.183 1830 MODER NONE NORML 0.2% 37 0 1 9 0 30	<1  NONE NONE NORML NORML NEG 2 0 0 0 0 0 1 (1 <1	
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 *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML >0.1 1.5 0 0 0.3 0 0 0 0 0 0	10 0.183 1830 MODER NONE NORML 0.2% 37 0 1 9 0 30 1256	<1  NONE NONE NORML NORML NEG 2 0 0 0 0 0 ( 1 <1 <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 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	>20 >0.1 >1000 NONE NONE NORML NORML >0.1 1.5 0 0 0 0.3 0 0 0 0 406	10 0.183 1830 MODER NONE NORE NORML 0.2% 37 0 1 9 0 1 9 0 30 1256 634	<1  NONE NONE NORML NORML NORML 2 0 0 0 0 2 1 <1 0 2 7	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm % ppm scalar scalar scalar scalar scalar 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	>20 >0.1 >1000 NONE NONE NORML NORML >0.1 1.5 0 0 0.3 0 0 0.3 0 0 0 406 0	10 0.183 1830 MODER NONE NORE NORML 0.2% 37 0 1 9 0 30 1256 634 593	<1  NONE NONE NORML NORML NEG 2 0 0 0 0 4 1 <1 0 27 48	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium 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 ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML >0.1 1.5 0 0 0.3 0 0 0 406 0 1283	10 0.183 1830 MODER NONE NORML 0.2% 37 0 1 9 0 1 9 0 30 1256 634 593 2948	<1  NONE NONE NONE NORML NORML NEG 2 0 0 0 0 0 ( 1 ( 1 ( 1 0 2 7 48 65	

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Contact/Location. BILL RIMER - UCATLSAL



Unique Number : 11059861 : 07 Jun 2024 - Don Baldridge Diagnosed Test Package : IND 2 (Additional Tests: KF) Contact: BILL RIMER Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. bill@atlanticcompressors.com * - 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)

Contact/Location: BILL RIMER - UCATLSAL Page 2 of 2

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