

OIL ANALYSIS REPORT

Area CZ-20 [2697919] ATLAS COPCO API791688 - ICOM APPLE

Component Compressor

Recommendation

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

Wear

All component wear rates are normal.

Contamination

There is a light concentration of water present in the oil. Excessive free water present.

Fluid Condition

The AN level is acceptable for this fluid.

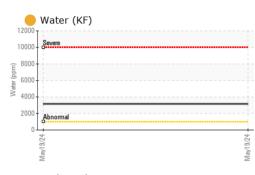
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		UCH06184413		
Sample Date		Client Info		19 May 2024		
Machine Age	hrs	Client Info		11431		
Oil Age	hrs	Client Info		4236		
Oil Changed		Client Info		Changed		
Sample Status				ATTENTION		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	4		
Chromium	ppm	ASTM D5185m	>5	<1		
Nickel	ppm	ASTM D5185m		<1		
Titanium	ppm	ASTM D5185m		<1		
Silver	ppm	ASTM D5185m		<1		
Aluminum	ppm	ASTM D5185m	>15	2		
Lead	ppm	ASTM D5185m	>65	<1		
Copper	ppm	ASTM D5185m	>65	<1		
Tin	ppm	ASTM D5185m	>10	<1		
Vanadium	ppm	ASTM D5185m		<1		
Cadmium	ppm	ASTM D5185m		<1		
ADDITIVES		method	limit/base		history1	history2
ADDITIVES Boron	ppm	method ASTM D5185m	limit/base		history1	history2
			limit/base	current		
Boron	ppm	ASTM D5185m	limit/base	current 0		
Boron Barium	ppm ppm	ASTM D5185m ASTM D5185m	limit/base	current 0 0		
Boron Barium Molybdenum	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	current 0 0 <1		
Boron Barium Molybdenum Manganese	ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	ourrent 0 0 <1 <1		
Boron Barium Molybdenum Manganese Magnesium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	o 0 <1		
Boron Barium Molybdenum Manganese Magnesium Calcium	ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	0 0 <1 <1 <1 <1 <1 <1 <1 4	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 <1 <1 <1 <1 <1 4 131	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 <1 <1 <1 <1 4 131 6 413	 	
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m		Current 0 0 <1 <1 <1 <1 4 131 6 413		
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	limit/base	Current 0 0 <1 <1 <1 <1 4 131 6 4 131 6 413 Current	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base	Current 0 0 <1 <1 <1 <1 4 131 6 4 131 6 4 13 3	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m method ASTM D5185m	limit/base >35 >20	0 0 <1 <1 <1 <1 4 131 6 413 current 3 0	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20	0 0 <1 <1 <1 131 6 413 current 3 0 2	 history1	 history2
Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur CONTAMINANTS Silicon Sodium Potassium Water	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185m ASTM D5185m	limit/base >35 >20 >0.1	Current 0 0 <1 <1 <1 4 131 6 413 Current 3 0 2 0.316 3160	 history1 	 history2

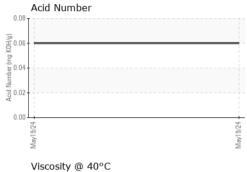
Sample Rating Trend

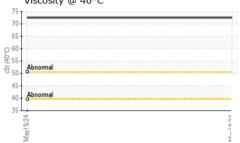




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	VISUAL		method					
	White Metal	scalar	*Visual	NONE	NONE			
	Yellow Metal	scalar	*Visual	NONE	NONE			
	Precipitate	scalar	*Visual	NONE	NONE			
	Silt	scalar	*Visual	NONE	NONE			
	Debris	scalar	*Visual	NONE	NONE			
	Sand/Dirt	scalar	*Visual	NONE	NONE			
May19/24	Appearance	scalar	*Visual	NORML	NORML			
May	Odor	scalar	*Visual	NORML	NORML			
	Emulsified Water	scalar	*Visual	>0.1	0.2%			
	Free Water	scalar	*Visual		<mark> </mark> >10%			
	FLUID PROPERT	IES	method	limit/base	current	history1	history2	
	Visc @ 40°C	cSt	ASTM D445		72.5			
	SAMPLE IMAGES	3	method	limit/base	current	history1	history2	
May19,24	Color					no image	no image	
	Bottom					no image	no image	
PC OV-TH	Non-ferrous Metals	5		May19/24	Acid Number			
	Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal Abnormal			May19/24	May19/24		Provide State	
Unique Number tificate L2367 Test Package discuss this sample report,	•					CISCO AIR SYSTEMS 214 27TH ST SACRAMENTO, CA US 95816 Contact: BARRY FRKOVICH barryfrkovich@ciscoair.com T: (916)444-2522 06:2012) E: x		

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: BARRY FRKOVICH - UCCISSAC

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