

WEAR NORMAL CONTAMINATION NORMAL FLUID CONDITION NORMAL

## PALASYN 45 Machine Id ATLAS COPCO API320582 - TRINIDAD COLGATE ND Component Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		UCS06214811		
	Sample Date		Client Info		03 Jun 2024		
	Machine Age	hrs	Client Info		7316		
	Oil Age	hrs	Client Info		2600		
	Filter Age	hrs	Client Info		2600		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>50	0		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m	>5	0		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m		0		
	Aluminum	ppm	ASTM D5185m	>15	0		
	Lead	ppm	ASTM D5185m	>65	0		
	Copper	ppm	ASTM D5185m	>65	0		
	Tin	ppm	ASTM D5185m	>10	0		
	Vanadium	ppm	ASTM D5185m		0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Yellow Metal Silicon	scalar ppm	*Visual ASTM D5185m		NONE <1		
				>35			
CONTAMINATION There is no indication of any contamination in the oil.	Silicon	ppm	ASTM D5185m	>35 >20	<1		  
	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>35 >20	<1 2		
	Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>35 >20 >0.1	<1 2 NEG		
	Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>35 >20 >0.1 NONE	<1 2 NEG NONE		
	Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>35 >20 >0.1 NONE NONE	<1 2 NEG NONE NONE		
	Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>35 >20 >0.1 NONE NONE NONE	<1 2 NEG NONE NONE NONE		
	Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>35 >20 >0.1 NONE NONE NONE NORML	<1 2 NEG NONE NONE NONE NORML		
There is no indication of any contamination in the oil.	Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual	>35 >20 >0.1 NONE NONE NORML NORML	<1 2 NEG NONE NONE NONE NORML NORML		
There is no indication of any contamination in the oil. FLUID CONDITION	Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor	ppm ppm scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual	>35 >20 >0.1 NONE NONE NORML NORML >0.1	<1 2 NEG NONE NONE NORE NORML NEG		
There is no indication of any contamination in the oil.	Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>35 >20 >0.1 NONE NORME NORML >0.1	<1 2 NEG NONE NONE NORML NORML NEG 5		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm ppm scalar scalar scalar scalar scalar scalar gpm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>35 >20 >0.1 NONE NONE NORML >0.1	<1 2 NEG NONE NONE NORML NORML NEG 5 0		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium 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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>35 >20 >0.1 NONE NONE NORML NORML >0.1	<1 2 NEG NONE NONE NORML NORML NEG 5 0 0		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium 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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20 >0.1 NONE NONE NORML >0.1 0.0 0.0 0 0	<1 2 NEG NONE NONE NORML NORML NEG 5 0 0 0		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium 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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20 >0.1 NONE NONE NORML >0.1 0.0 0.0 0 0.0 0.0	<1 2 NEG NONE NONE NONE NORML NORML S 0 0 0		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium 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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20 >0.1 NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0.0 0.0	<1 2 NEG NONE NONE NONE NORML NORML S 0 0 0 <1 0 0 1 0 0 0 0 0 0 0 0 0 0 0 0		
There is no indication of any contamination in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Silicon Potassium 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 D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>35 >20 >0.1 NONE NONE NORML NORML >0.1 0.0 0.0 0 0.0 0.0 0.0 0.0 0.0 0.0 0.	<1 2 NEG NONE NONE NONE NORML NORML S 0 0 0 <1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		

Acid Number (AN) mg KOH/g ASTM D8045 0.172

ASTM D445 39.9

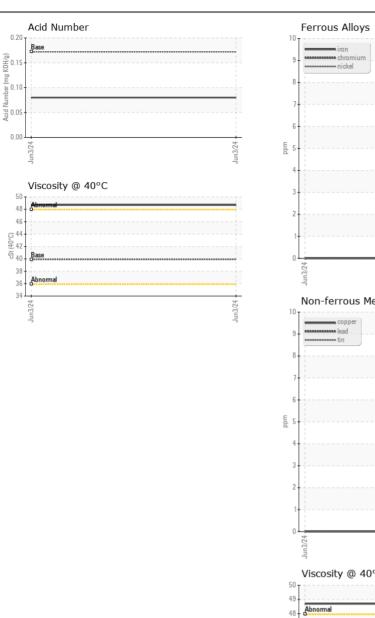
cSt

Visc @ 40°C

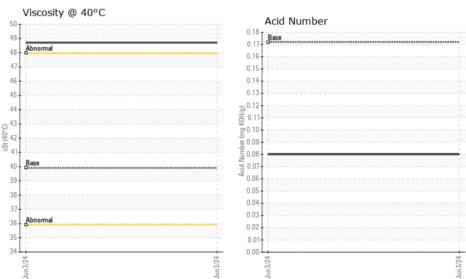
Contact/Location: DALE K - UCJEMWES

0.08

48.7



Non-ferrous Metals





		Sample No.	: UCS06214811	Received	: 19 Jun 2024		
	ACCREDITED	Lab Number	: 06214811	Tested	: 20 Jun 2024	WEST FARGO, ND	
	TESTING LABORATORY	Unique Number	: 11087675	Diagnosed	: 21 Jun 2024 - Sean Felton	US 58078	
	Certificate L2367	Test Package	: IND 2			Contact: DALE K	
586	To discuss this	sample report,	contact Customer Servic	e at 1-800-237	-1369.	dalek@jemco-maxair.com	
27 <b>1</b> 2	* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.       T:						
n . 3766. '	Statements of	conformity to sp	pecifications are based on	the simple acc	eptance decision rule (JCGN	<i>1 106:2012)</i> F: x:	

: WearCheck USA - 501 Madison Ave., Cary, NC 27513

Report Id: UCJEMWES [WUSCAR] 06214811 (Generated: 06/21/2024 13:23:51) Rev: 1

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Laboratory

Contact/Location: DALE K - UCJEMWES Page 2 of 2

**JEMCO-MAXAIR**