WEAR
CONTAMINATION
FLUID CONDITION

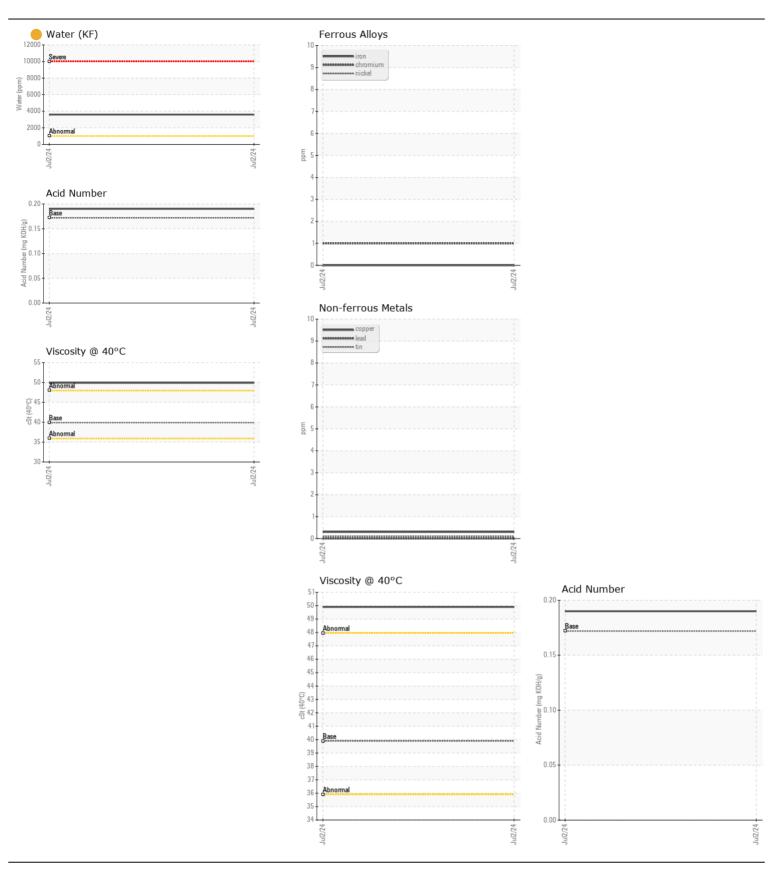
NORMAL
ATTENTION
NORMAL

PALASYN 45

SULLIVAN PALATEK 19KE0610 - SPIRAL FITTINGS

Component Compressor

					-		
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
We advise that you follow the water drain-off procedure for this component. Resample at the next service interval to monitor.	Sample Number		Client Info		UCS06228799		
	Sample Date		Client Info		02 Jul 2024		
	Machine Age	hrs	Client Info		12436		
	Oil Age	hrs	Client Info		2000		
	Filter Age	hrs	Client Info		100		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				ATTENTION		
WEAR	Iron	nnm	ACTM DE10Em	. EO	•		
All component wear rates are normal.	Iron	ppm	ASTM D5185m		0		
	Chromium	ppm	ASTM D5185m	>10	1		
	Nickel	ppm	ASTM D5185m		0		
	Titanium	ppm	ASTM D5185m		0		
	Silver	ppm	ASTM D5185m	- OF	<1		
	Aluminum	ppm	ASTM D5185m		3		
	Lead	ppm	ASTM D5185m	>25	0		
	Copper	ppm	ASTM D5185m		<1		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m	NONE	0		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	3		
CONTAMINATION There is a light concentration of water present in the cil.	Silicon Potassium	ppm	ASTM D5185m ASTM D5185m	>25 >20	3 1		
There is a light concentration of water present in the oil.							
	Potassium	ppm	ASTM D5185m	>20 >0.1	1		
	Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.1	1 0 .359		
	Potassium Water ppm Water	ppm %	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.1 >1000	1 0.359 3590		
	Potassium Water ppm Water Silt	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE	1 0.359 3590 NONE		
	Potassium Water ppm Water Silt Debris	ppm % ppm scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE NONE	1 0.359 3590 NONE NONE		
	Potassium Water ppm Water Silt Debris Sand/Dirt	ppm % ppm scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual	>20 >0.1 >1000 NONE NONE	1 0.359 3590 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 NORML	1 0.359 3590 NONE NONE NONE NONE		
There is a light concentration of water present in the oil.	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 *Visual	>20 >0.1 >1000 NONE NONE NONE NORML	1 0.359 3590 NONE NONE NORML NORML 0.2%	 	
	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium	ppm % ppm scalar scalar scalar scalar scalar ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m	>20 >0.1 >1000 NONE NONE NOREL NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2%	 	
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	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 NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2%	 	
There is a light concentration of water present in the oil. FLUID CONDITION	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm % ppm scalar scalar scalar scalar scalar ppm ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2%		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 7 0 18 0		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 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 NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 < 1		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 ppm ppm	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 <1 0		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus	ppm % ppm scalar scalar scalar scalar scalar scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	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 0.0 0 0 0 0.0 0.0 0.0 966	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 <1 0 48		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Nisual	>20 >0.1 >1000 NONE NONE NORML NORML >0.1	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 <1 0 48 6		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	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 0.0 0.0 0.0 0.0 0.0 966 0	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 <1 0 48 6 53		
There is a light concentration of water present in the oil. FLUID CONDITION The AN level is acceptable for this fluid. The condition of the oil is	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 scalar ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual *Tisual *Visual *Nisual	>20 >0.1 >1000 NONE NONE NONE NORML NORML >0.1 0.0 0 0 0 0.0 0.0 966 0 1309 0.172	1 0.359 3590 NONE NONE NORML NORML 0.2% 7 0 18 0 0 <1 0 48 6		







Certificate L2367

Laboratory Sample No.

Lab Number : 06228799 Unique Number : 11112292

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : UCS06228799

Tested Diagnosed Test Package : IND 2 (Additional Tests: KF)

Received : 05 Jul 2024 : 08 Jul 2024

: 08 Jul 2024 - Don Baldridge

BLYTHEWOOD, SC US 29016

Contact: SUSAN ALLEN SUSAN@ALLENSCOMPRESSORSERVICE.COM

ALLENS COMPRESSOR SERVICE

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)

F: (803)957-3077

T: