

Area **PALEXTRA 44** PALATEK 22DE003028 - MARBURGER DAIRY Component Compressor

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
The filter change at the time of sampling has been noted. Resample at the next service interval to monitor.	Sample Number		Client Info		UCS06122514	UCS05948142	
	Sample Date		Client Info		12 Mar 2024	05 Sep 2023	
	Machine Age	hrs	Client Info		1983	147	
	Oil Age	hrs	Client Info		1983	147	
	Filter Age	hrs	Client Info		1836	147	
	Oil Changed		Client Info		Not Changd	Not Changd	
	Filter Changed		Client Info		Changed	Changed	
	Sample Status				NORMAL	NORMAL	
WEAR	Iron	ppm	ASTM D5185m	>50	0	0	
	Chromium	ppm	ASTM D5185m		0	0	
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	0	
	Titanium	ppm	ASTM D5185m		0	0	
	Silver	ppm	ASTM D5185m		0	0	
	Aluminum	ppm	ASTM D5185m	>25	0	0	
	Lead	ppm	ASTM D5185m		0	0	
	Copper	ppm	ASTM D5185m	>50	0	0	
	Tin	ppm	ASTM D5185m	>15	0	<1	
	Vanadium	ppm	ASTM D5185m		0	0	
	White Metal	scalar	*Visual	NONE	NONE	NONE	
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	<1	4	
CONTAMINATION There is no indication of any contamination in the oil.	Silicon Potassium		ASTM D5185m ASTM D5185m	>25 >20	<1 0	4	
	Silicon Potassium Water	ppm ppm	ASTM D5185m ASTM D5185m WC Method	>25 >20 >0.1	<1 0 NEG	4 1 NEG	
	Silicon Potassium Water Silt	ppm ppm scalar	ASTM D5185m ASTM D5185m WC Method *Visual	>25 >20 >0.1 NONE	<1 0 NEG NONE	4 1 NEG NONE	
	Silicon Potassium Water Silt Debris	ppm ppm scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual	>25 >20 >0.1 NONE NONE	<1 0 NEG NONE NONE	4 1 NEG NONE MODER	
	Silicon Potassium Water Silt Debris Sand/Dirt	ppm ppm scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NONE	<1 0 NEG NONE NONE NONE	4 1 NEG NONE MODER NONE	
	Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE NONE NONE NORML	4 1 NEG NONE MODER NONE NORML	
	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	>25 >20 >0.1 NONE NONE NORML NORML	<1 0 NEG NONE NONE NONE NORML NORML	4 1 NEG NONE MODER NONE NORML NORML	
There is no indication of any contamination in the oil.	Silicon Potassium Water Silt Debris Sand/Dirt Appearance	ppm ppm scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual	>25 >20 >0.1 NONE NONE NONE NORML	<1 0 NEG NONE NONE NONE NORML	4 1 NEG NONE MODER NONE NORML	
	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	>25 >20 >0.1 NONE NONE NORML NORML	<1 0 NEG NONE NONE NONE NORML NORML	4 1 NEG NONE MODER NONE NORML 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 *Visual	>25 >20 >0.1 NONE NONE NORML NORML >0.1	<1 0 NEG NONE NONE NONE NORML NORML NEG	4 1 NEG NONE MODER NORM NORML NORML NEG	
There is no indication of any contamination in the oil.	Silicon Potassium Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium	ppm ppm scalar scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML >0.1	<1 0 NEG NONE NONE NORML NORML NEG 0	4 1 NEG NONE MODER NORME NORML NEG <1	
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 ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1	<1 0 NEG NONE NONE NORML NORML NEG 0 0 0 0	4 1 NEG NONE MODER NORML NORML NEG <1 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	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORM NORM >0.1	<1 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 0 0 0	4 1 NEG NONE MODER NORML NORML NEG <1 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 scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML >0.1 0 0.3 0 0.3 0.3 0.3	<1 0 NEG NONE NONE NORML NORML NEG 0 0 0 0	4 1 NEG NONE MODER NORML NORML NORML NEG <1 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 scalar ppm ppm ppm	ASTM D5185m ASTM D5185m WC Method *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25 >20 >0.1 NONE NONE NORML NORML >0.1 0.3 0 0.3 0.3 0.4 0.4	<1 0 NEG NONE NONE NORML NORML NORML 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 NEG NONE MODER NORML NORML NORML NEG <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 Calcium	ppm ppm scalar scalar scalar scalar scalar scalar ppm 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 ASTM D5185m	>25 >20 >0.1 NONE NONE NORM NORM >0.1 0.3 0 0.3 0.3 0.4 0.4 0 689	<1 0 NEG NONE NONE NORML NORML NEG 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 NEG NONE MODER NORML NORML NORML NEG <1 0 0 0 0 0 0 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 ASTM D5185m	 >25 >20 >0.1 NONE NORME NORML >0.1 0.3 0.4 0 689 0 0 	<1 0 NEG NONE NONE NORML NORML NORML 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 1 NEG NONE MODER NORML NORML NORML NEG <1 0 0 0 0 0 0 0 0 0 0 0 0	

Acid Number (AN) mg KOH/g ASTM D8045 0.135

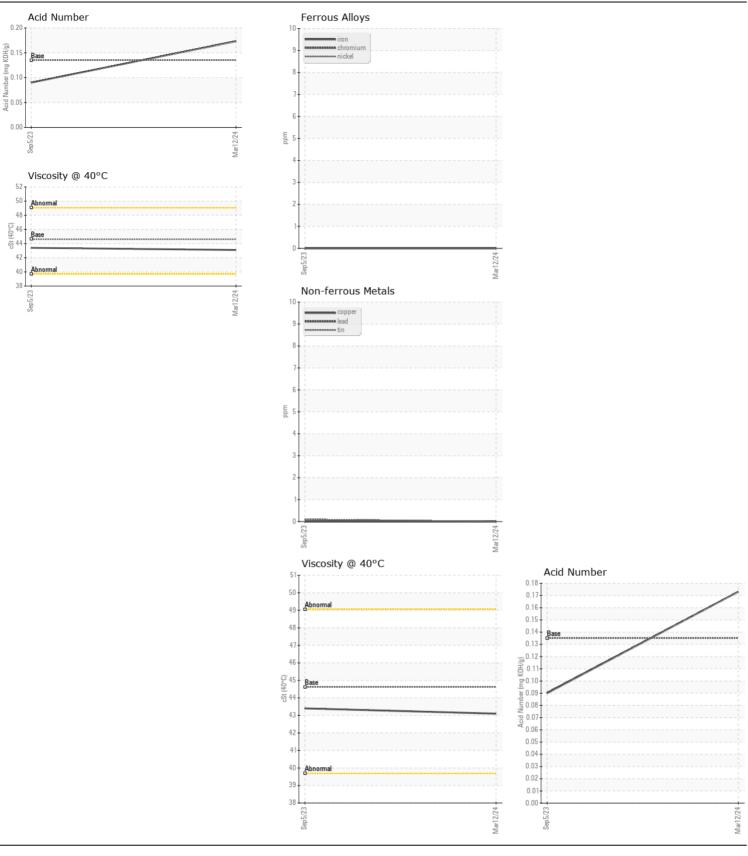
Visc @ 40°C cSt ASTM D445 44.62

43.4 Contact/Location: ? ? - UCTRIMID

0.09

0.173

43.1



TRI-STATE AIR COMPRESSOR Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : UCS06122514 Received : 19 Mar 2024 10635 RAPP RD Lab Number : 06122514 : 20 Mar 2024 MIDDLETOWN, OH Tested Unique Number : 10936665 : 21 Mar 2024 - Sean Felton US 44442 Diagnosed Test Package : IND 2 Contact: Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. tristateaircompressor@gmail.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (330)717-6507 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: