

Machine Id **DUNHAM BUSH 75L C1 (S/N KBCX1257-19)** Component Compressor Fluid WITCO 4GS (10 GAL)

RECOMMENDATION

No corrective action is recommended at this time. We recommend an early resample to monitor this condition.

WEAR

All component wear rates are normal.

CONTAMINATION

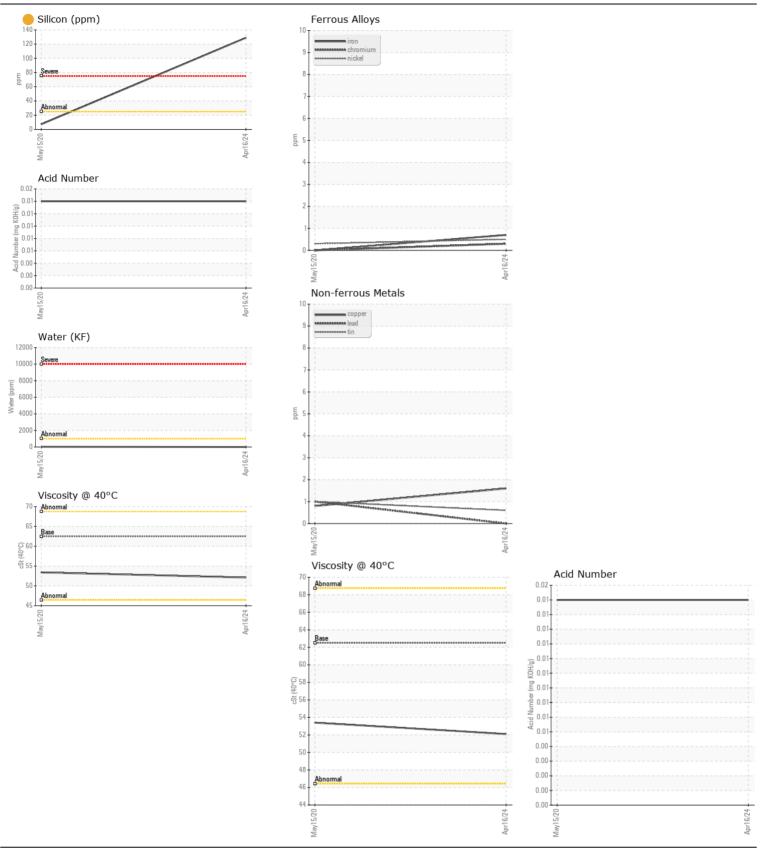
Elemental level of silicon (Si) above normal.

FLUID CONDITION

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

Test	UOM	Method	Limit/Abn	Current	History1	History2
Sample Number		Client Info		WC0933636	WC0436493	
Sample Date		Client Info		16 Apr 2024	15 May 2020	
Machine Age	hrs	Client Info		0	0	
Oil Age	hrs	Client Info		0	0	
Filter Age	hrs	Client Info		0	0	
Oil Changed		Client Info		N/A	N/A	
Filter Changed		Client Info		N/A	N/A	
Sample Status				ATTENTION	NORMAL	
lran			. 50	 	0	
Iron Chromium	ppm	ASTM D5185m ASTM D5185m	>50	<1 <1	0	
Nickel	ppm	ASTM D5185m	>10	<1 <1	<1	
Titanium	ppm	ASTM D5185m		<1 <1	<1	
Silver	ppm	ASTM D5185m		<1 0	0	
Aluminum	ppm	ASTM D5185m	>25	2	0	
Lead	ppm	ASTM D5185m	>20 >25	2	1	
	ppm	ASTM D5185m	>25	2	<1	
Copper Tin	ppm	ASTM D5185m	>50	2 <1	<1 1	
Vanadium	ppm	ASTM D5185m	>10	<1	0	
White Metal	ppm scalar	*Visual	NONE	NONE	NONE	
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	
	Scala	visuai			NONL	
Silicon	ppm	ASTM D5185m	>25	129	7	
Silicon Potassium	ppm ppm	ASTM D5185m ASTM D5185m	>25 >20	129 1	7 0	
				-		
Potassium	ppm	ASTM D5185m	>20	1	0	
Potassium Water	ppm %	ASTM D5185m ASTM D6304	>20 >0.1	1 0.00	0 0.003	
Potassium Water ppm Water	ppm % ppm	ASTM D5185m ASTM D6304 ASTM D6304	>20 >0.1 >1000	1 0.00 0	0 0.003 28.1	
Potassium Water ppm Water Silt	ppm % ppm scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual	>20 >0.1 >1000 NONE	1 0.00 0 NONE	0 0.003 28.1 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	1 0.00 0 NONE NONE	0 0.003 28.1 NONE LIGHT	
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	1 0.00 0 NONE NONE NONE	0 0.003 28.1 NONE LIGHT 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	1 0.00 0 NONE NONE NONE NORML	0 0.003 28.1 NONE LIGHT NONE NORML	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water	ppm % ppm scalar scalar scalar scalar scalar scalar	ASTM D5185m ASTM D6304 ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG	0 0.003 28.1 NONE LIGHT 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 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0	0 0.003 28.1 NONE LIGHT NONE NORML NORML NEG 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron	ppm % ppm 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 NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0	0 0.003 28.1 NONE LIGHT NORML NORML NORML NEG 0 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 ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 2	0 0.003 28.1 NONE LIGHT NORML NORML NORML NEG 0 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 scalar 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 NORE NORML	1 0.00 0 NONE NONE NORML NORML NORML NEG 0 0 2 1 <1	0 0.003 28.1 NONE LIGHT NORML NORML NORML NEG 0 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 scalar ppm ppm ppm	ASTM D5185m ASTM D6304 *Visual *Visual *Visual *Visual *Visual *Visual ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 <1 <1 <1 0	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 0 0 0 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 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 NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 <1 <1 <1 0 <1	0 0.003 28.1 NONE LIGHT NORML NORML NORML NEG 0 0 0 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	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 NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 <1 <1 <1 0	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 0 <1 0 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium	ppm % scalar scalar scalar scalar scalar scalar ppm 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 ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 <1 <1 <1 0 <1 <1 1 0	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 0 2 1 0 0 0 0 0 0 0 0 0 0 0 0 0 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	ASTM D5185m ASTM D6304 ASTM D6304 *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 NORE NORML	1 0.00 0 NONE NONE NORML NORML NORML NEG 0 c1 c1 c1 0 c1 c1 c1 12	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 0 (1 0 0 0 (1 0 0 0 (1 0 0 0 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	ppm % scalar scalar scalar scalar scalar scalar ppm ppm 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 ASTM D5185m ASTM D5185m	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NORML 0 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1 c1	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
Potassium Water ppm Water Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm % scalar 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	>20 >0.1 >1000 NONE NONE NORE NORML	1 0.00 0 NONE NONE NORML NORML NEG 0 0 <1 <1 <1 0 <1 <1 12 0 334	0 0.003 28.1 NONE LIGHT NORML NORML NEG 0 0 0 (0 0 (1 0 0 0 (1 0 0 0 (1 0 0 0 (1 0 0 0 (1 0 0 0 (1 0 0 0 0	

Contact/Location: LARRY DELGUERCIO - COMBRANJ



COMMERCIAL AIR SYSTEMS Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0933636 Received 10 COUNTY LINE RD : 22 Apr 2024 Lab Number : 06156077 Tested BRANCHBURG, NJ : 23 Apr 2024 Unique Number : 10991500 : 24 Apr 2024 - Jonathan Hester US 08876 Diagnosed Test Package : IND 2 (Additional Tests: KF) Contact: LARRY DELGUERCIO Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. larry@commairsystems.com * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: (908)927-9090 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012) F: (908)921-9091

Contact/Location: LARRY DELGUERCIO - COMBRANJ

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