

## 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

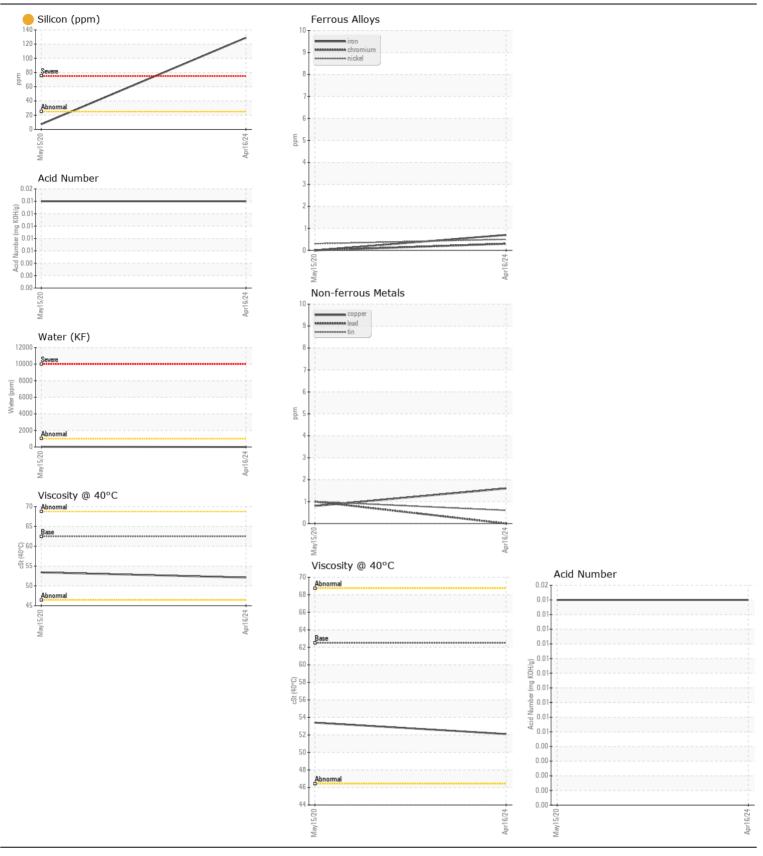
Elemental level of silicon (Si) above normal.

## 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	<b>129</b>	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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