

DATE: 02/02/2018
TO: StoneAge® Customers
FROM: StoneAge®
SUBJECT: Cold Weather Operation of Automated Equipment

SUMMARY: Cold weather and icy conditions can potentially reduce the functionality of air motors used in StoneAge automated equipment. This may occur when operating equipment in cold environments that include any of the following conditions, wet air, long airline runs, water in the airline, or internal condensation freezing due to thermodynamic gas expansion in the motor. Motor performance is compromised when exhaust ports start to ice up. Without intervention, the ports may close off completely which can stall the motor.

SOLUTIONS: StoneAge recommends the following solutions to prevent decreased functionality in air motors during cold weather operations:

Best method: Use regenerative desiccant air dryers in-line with the pneumatic hoses to lower the dew point.

Next best method: Use a Pneumatic Tool Anti-Freeze Lubricant in the oiler system of the StoneAge equipment. Common trade names are Tanner Gas, Killfrost, Dixon, and Polar-lube. These fluids act like gasoline antifreeze by drying out moisture that's in the line. See links below for more information on these products.

Tanner Gas

<http://tannersystems.com/de-icant-fluids/tannergas-freezeban/>

Killfrost

<http://catalog.jamiesonequipment.com/viewitems/tment-compressed-air-treatment-air-line-lubricants/kilfrost-anti-freeze-air-line-lubricant-1?>

Dixon

<https://www.dixonvalve.com/product/DATL128W>

Polar-lube

http://www.roessel.com/Roessel_Files/PolarLube%20Spec%20Sheet%20Master.pdf

AFFECTED PARTS OR ASSEMBLIES		
ASSEMBLY PART NUMBER	ASSEMBLY DESCRIPTION	AIR MOTOR PART NUMBER
ABX-500-V2	AUTOBOX HOSE CONTROL DEVICE	LM 016-4
ABX-2L-V2	AUTOBOX 2L ASSEMBLY	ABX 250
ABX-3L	AUTOBOX 3L ASSEMBLY	ABX 250
ABX-PRO-100	AUTOBOX PRO ASSEMBLY	PRO 155-001
BB-100-XX	BUNDLE BLASTER	LM 016-4
BFW-100	BIG FLOW WATERLANCER	LM 016-4
BRLM	ROTARY LANCING MACHINE	LM 016-4
BTC-100	BOILER TUBE CLEANER	SG 055
BTC-200	BOILER TUBE CLEANER	PRO 155-001
DB-XX	DECK BLASTER	SG 055
EB-100	EXTENSION BOOM	LM 016-4
FCT-XX	FLOOR CLEANER	SG 055
GH-100	GEARHEAD ASSEMBLY	LM 016-4
LP-300	LANCE POSITIONER	LM 016-4
LWP-500-X-V2	LIGHTWEIGHT POSITIONER	LWP-520-001
NAV-100	NAVIGATOR ASSEMBLY	PRO 155-001
SG-40-CCN-XXXX	AIR BELT DRIVE ASSEMBLY	SG 055
SG-E60-XXXX	AIR DRIVE ASSEMBLY	LM 016-4
SKR-STD	STANDARD STRIKER	LWP 520-001 & LM 016-6
SKR-TRK	TRACKED STRIKER	LWP 520-001 & LM 016-6
SKRL-100	LIGHTWEIGHT STRIKER	LWP 520-001 & LM 016-4
SM-300	PENDANT TUBE CLEANER	LM 016-4
SM-AIR	AIR POWERED ASSEMBLY	LM 016-4