

FURNACE AIR INTAKE BLOWER

ID: 9588



PROBLEM

Infiltration of Perlite dust into the blower system causing very quick abrasive damage to blower fins.

APPLICATION SITUATION

These blowers were wearing quickly and often outpaced the scheduled maintenance period. Required unscheduled downtime in as little as 3 months use.

APPLICATION METHOD

Blower was grit blasted, plastic tool filling, brush applied coating. Baked in oven at 40C for quick return to service.

BELZONA FACTS

Very fine abrasive action from the perlite dust required something able to withstand the effects. Alternative is replacement for a blower that will wear just as quickly and costs about 5000\$ CAD.

INDUSTRY

Heating, Ventilation & Air Conditioning

LOCATION

New Brunswick

APPLICATION DATE

April 2023

PRODUCTS

Belzona 1311 (Ceramic R-Metal)
Belzona 1321 (Ceramic S-Metal)

SUBSTRATE

Carbon steel

PHOTOS

1. Worn blower, about half way through its usual lifespan, makeshift balancing bolts.
2. Blasted fan with 1311 reinforcing welds and filling holes and pits
3. 2 coats of 1321 on inside and all fins + welds. 2 colors as a wear indicator for inspection

For more examples of Belzona Know-How in Action, please visit khia.belzona.com

Belzona products are manufactured under an ISO 9001 Registered Quality Management System.

www.belzona.com

