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## BELZONA® 1812 PROTECTS HOG FUEL ELBOWS

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### CUSTOMER

Lumber Mill  
Castlegar, BC

### APPLICATION DATE

May 2006

### PROBLEM

Hog fuel would hang up on the hardened steel welds used to protect the surfaces from excessive erosion.

### PRODUCTS

Belzona® 1812 Ceramic Carbide FP  
Belzona® 1321 Ceramic S Metal

### SUBSTRATE

Steel

### APPLICATION METHOD

Application carried out in accordance with a modified version of Belzona® Know-How Leaflet SHM-8

### BELZONA FACTS

A Belzona application can be completed in a fraction amount of the time required to complete welding.

The Belzona 1812 Ceramic Carbide FP provided a good smooth abrasion resistant base in a high erosion area. The Belzona 1321 Ceramic S Metal provided a degree of extra smoothness to the overall application.

Because of the success of the original application a total of 3 of the elbows have now been rebuilt with Belzona.

Lining the elbow with Belzona has dramatically reduced the torque (approximately 50%) required to drive the auger feeding the system

### PHOTOGRAPHS

1. View of elbow showing application area and hardened welding.
2. Area rebuilt with Belzona 1812 Ceramic Carbide FP
3. Rebuild completed.
4. Area overcoated with Belzona 1321 Ceramic S Metal to provide an extra degree of smoothness.

