



# MUD FILTER – SUGAR REFINERY

# SUMMARY

**Industry:** Sugar Refinery

**Product:** Chesterton® ARC BX2, Chesterton® ARC 858 and Chesterton® ARC SD4i

**Plant:** Mud Filter Head

**Location:** Ingham, QLD

**Summary:** Mud filter head destroyed completely from abrasion and corrosion. Imatech rebuilt and protected the mud filter by using ARC products.

**ROI:** A new mud filter head costs approximately \$25,000.00.



# PROBLEM DESCRIPTION

Due to the operating conditions, this mud filter wore out over a six year period with multiple repairs done annually. It was destined for the scrap heap.

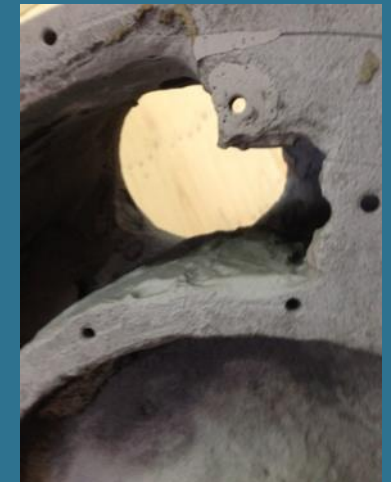
With a replacement cost of approximately

\$25,000.00 and a rebuild quoted at \$7000.00, Imatech were engaged to rebuild and coat this unit instead. This was based on results they achieved on juice heater sealing faces.



# SOLUTION

The asset was abrasive blasted to reveal the full extent of the damage.

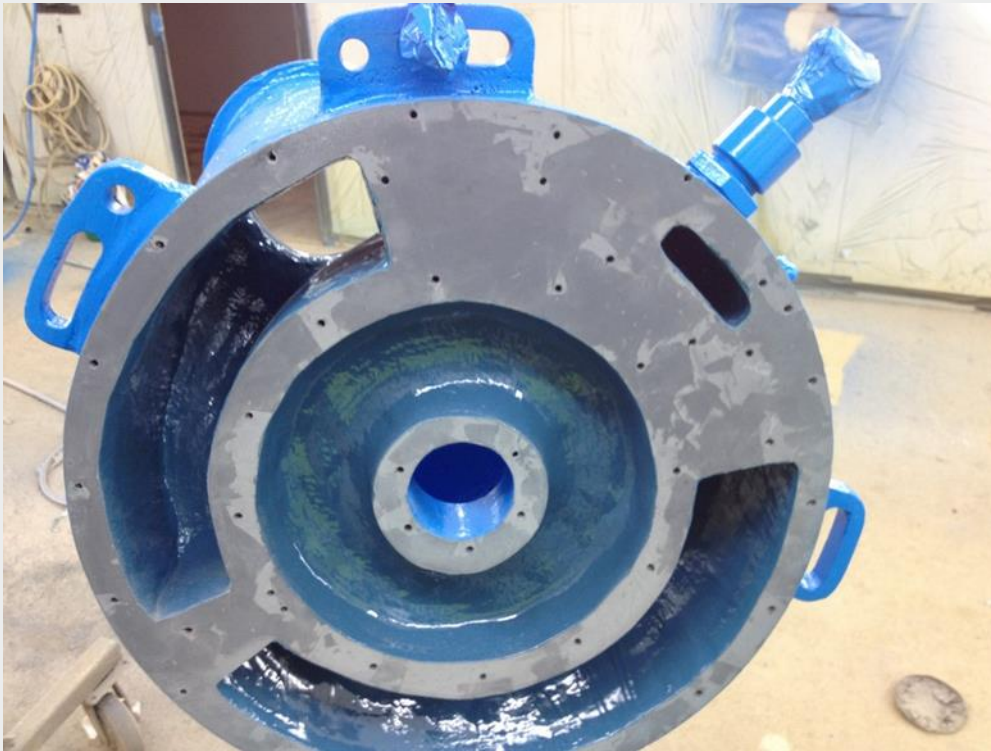


## APPLICATION PROCESS

- Utilising our Chesterton® ARC products (Chesterton® ARC BX2 and Chesterton® ARC 858), the mud filter head was rebuilt and ready for machining.
- This was followed by two coats of Chesterton® ARC SD4i, as a protective coating.
- The job was turned around in less than two weeks.

# READY FOR SERVICE

It was ready for service after nine days with Imatech.



# RESULTS



- This asset has not been unbolted since installation as it is operating in perfect order even after four years.
- The engineering department are excited about the results and have started discussing this success with other mills.
- The operations team are very satisfied that they do not have to unbolt it yearly for maintenance.

# CAPABILITIES

- Chesterton® ARC SD4i has proven its ability in being able to handle abrasive and corrosive environments all around sugar mills.
- This product can be applied to tanks, pumps, pipes and more.



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