

**Reliable**

**Smart**

**Simple**

# *SUCCESS STORY*

## *TAMAR 410-SF seals*

*Chemical industry – Screw conveyors seals*



## Applications and Problem

- The inclined screw conveyor was previously “sealed” with braided packing
- A common mechanical seal will not hold the abrasive nature, high run-out, dry running and other common characteristics
- The packing required constant maintenance, wear the shaft, leak and result with product loss



# The Challenge

## Operational Parameters:

- Fine coal powder
- Working Temperature: **180°C** (356°F)
- Shaft Dia.: **110mm** (4.33")
- Speed: **60** rpm
- Pressure: 0.3 bar – product head (4.3 psi)



Have you ever seen  
something like this???

# The solution

## TAMAR 410-SF seal:

- ✔ Maintains practically zero leakage
- ✔ Dry running seal
- ✔ Cartridge type - simple and easy to install
- ✔ Non stop system
- ✔ This is not a mechanical seal - Ceramic and silicon free  
– almost unbreakable solution!
- ✔ Low maintenance cost
- ✔ Operational flexibility



## Result:

**Many leaking equipments have been converted to TAMAR seals**

- ✓ No more leakage and product loss
- ✓ No more shaft wear
- ✓ No more downtime

And they even  
save money on  
shovels



2 years later



# Challenge us!



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