



# TIMKEN® BELTS TAKE THE HEAT AT A MAJOR TEXAS OIL REFINERY

## CHALLENGE ▼

Extremely hot conditions at a petrochemical plant in southern Texas became too much for the competitor's belt. Having received assistance from the distributor and the Timken seller to solve bearings issues they'd been having, the customer asked if Timken could help them find a solution to their belt problems. The belts from another supplier they'd been using on the air-cooled heat exchangers at a major oil and gas processing operation were failing, resulting in critical downtime and growing costs associated with continually replacing belts.

## TIMKEN BELTS SOLUTION ▼

The Timken seller teamed up with the Timken Belts territory manager to look into the problem. In analyzing the belt failures and the conditions in which the belts were being used, it was determined that heat was the culprit. The competitor's belt was not surviving the high operating temperatures present in that application.

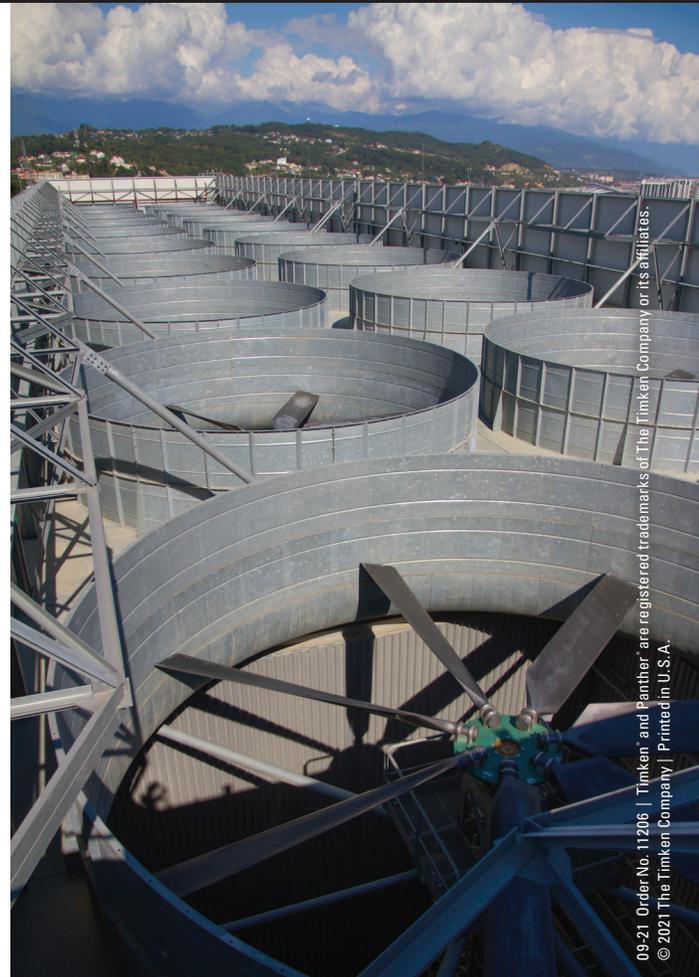
When comparing the belt they were currently using to the Timken® Panther® XT high-torque synchronous belt, it was determined that the Timken belt was engineered to run in an environment 63° hotter than their existing belt. The Panther XT belt with its ability to perform in such high temperatures became the solution to their belt failure problems.

## RESULTS THAT MATTER ▼

Belt life in this harsh application was extended due to the highly engineered design of the Panther XT high-torque synchronous belt and its heat resistant characteristics (up to 120°C/248°F).

As a drop-in replacement belt, competitively priced to what the customer had been paying, the refinery now specifies Panther XT belts on all their air-cooled heat exchangers.

- Reduced frequency of belt failures
- Reduced costs for replacement belts
- Reduced downtime as a result of extended belt life
- Increased \$35K in Panther XT sales



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Timken Belts is part of The Timken Company's growing portfolio of engineered bearings and power transmission products. A manufacturer of premium performance power transmission belts, Timken Belts' associates and products help keep industry in motion and the world more productive.

**Note:** Panther XT belts are not recommended for use in applications that require static dissipating belts.