

TR² Success on the 2nd Stage of an Ingersoll Rand Ethylene Primary Compressor



The Challenge

In the second stage CPI 192 radial/tangent rings were installed. The packing rings were working well under ethylene polymerization conditions but there was some leakage to the vent due to the extreme condition of the process.

The Solution

After some discussions with the customer, he decided to replace the existing rings with CPI's EMISSIONGUARD TR² packing rings, but only on the 2nd stage of the compressor.

The TR² rings were working for more than 22,000h without any problems. Vent leakage reduced considerably.

After opening the packing case the customer was very surprised to witness the condition of the rings. The rings were not worn out (see pictures), they were "like new".

The customer has now ordered TR² rings for the 1st and 3rd stages. He has also advised that he will start to replace the packing rings on all compressors in his plant.



CPI Emissionguard TR² packing ring after use

