

SOLSTICE® YF ENABLES HEAVY TRUCK PRODUCER TO REDUCE CO² LEVELS

Case Study

When a major global producer of heavy trucks in Europe wanted to phase out the use of hydrofluorocarbon (HFC) refrigerant in its air conditioning systems, it turned to Honeywell. By standardizing on Honeywell's environmentally-compliant Solstice® YF refrigerant, the customer was able to reduce its emissions by more than 143,000 tons of CO² per year.

BACKGROUND

Manufacturers around the world are under pressure to reduce CO² emissions as quickly as possible. One way for automotive and truck producers to achieve significant reductions in global warming emissions is to replace high global warming HFC refrigerants with Honeywell Solstice HFO materials which have near zero global warming potential.

This was the challenge faced by one of the world's largest producers of heavy over-the-road trucks. In the past, the company used HFC-134a refrigerant in its air conditioning units, but given the rapid phaseout of such high GWP materials, it needed to identify

a new, environmentally-compliant refrigerant and one that had a secure supply chain well into the future.

SOLUTION

After extensively evaluating the options available, the truck producer chose Honeywell Solstice YF. There were multiple reasons for the selection. First, Solstice YF not only met its environmental impact criteria with its ultra-low GWP of less than one, but the product is already well-established in the automotive industry, with a reputation for reliability and an excellent safety record. As of today, there are over 150 million light vehicles on the road using Solstice yf. Second, Solstice YF could be used as a near

drop-in replacement for HFC-134a refrigerant in these trucks, requiring only minimal adjustments to the existing manufacturing processes. This led to the truck producer to decide to convert more than 50 different models to Solstice yf.

Following its formal selection, a team of Honeywell specialists worked alongside the customer to convert four of its manufacturing sites to Solstice yf.

Today, Solstice yf not only provides cooling comfort for truck operators in all climates around the world but provides the truck maker with a level of security of supply that was needed. In addition, it's saving the company over 143,000 tons of CO² per year.



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