

Optimizing heat transfer fluid performance across multiple sites

GAF Materials Corp.
U.S. roofing industry
Products: Therminol® 55 and 66



Problem: GAF, North America's largest roofing manufacturer, wanted to consolidate best practices for the design, operation and maintenance of several of its heat transfer systems. As part of a company initiative to promote sustainability and innovation, GAF sought to synchronize its heat transfer fluids and systems at more than 12 plants. The company focused on using the best-performing fluids to support operations and enacting the most effective services for maintaining its systems.

Analysis: Americas International (AI), the U.S. distributor for Eastman Therminol® heat transfer fluids, summarized GAF's heat transfer fluid and service usage at each GAF plant. A collaboration between AI, Eastman and GAF determined system design played a role in system performance along with proper maintenance. The collaborators learned about improved design standards that have changed over time and some best practices for designing systems that can enhance fluid life.

Solution: Long known for reliable performance tailored to temperature requirements, Therminol 55 and Therminol 66 were added to GAF's systems. AI and Eastman also provided operations and maintenance training, system design support and fluid selection help to GAF. These services have recently been enhanced by Eastman's Fluid Genius™ advanced software program. Using Fluid Genius enables artificial intelligence to notify GAF and follow up regarding any issues or necessary actions identified through the Therminol sample analysis the program provides.

Result: Based on the temperature requirements, GAF chose the reliability of Therminol 55 and Therminol 66 for its heat transfer systems. Through Fluid Genius, GAF also received predictive analysis and best maintenance practices for its heat transfer systems nationwide. Ongoing use of the program ensures that the company can keep its heat transfer systems on track.



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