

Jasper Engines and Transmissions



Objective

Develop an indicator for placement on engines and transmissions to provide a permanent record of temperature abuse, which will be used to validate warranty claims.

Strategy

Jasper had been using a metal disk with solder in the center that would melt away at higher temperatures, but adhering it to engines and transmissions was difficult. ATI developed an aggressive adhesive for an irreversible high temperature ascending (HTA) label that indicates when a specific temperature is reached.

Implementation

Jasper technicians attach ATI's HTA labels to engines and transmissions prior to installation. If the surface of the component exceeds a temperature of 260°F, the indicator will change from white to red. Since this is a permanent record, it can be used to evaluate any warranty claims.

Results

The ATI solution provided a cost-effective, easily managed warranty abuse tool for Jasper since it was first implemented in 2001. The HTA label quickly adheres to the porous surface of the components without difficulty and ensures a permanent and accurate indication of temperature abuse that simplifies warranty claims.

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