

COUPLING GUARD UPGRADE

By Michael Amato



RMS was contracted to replace the coupling guard between an expander and motor on a PRT train. The typical coupling guard design accommodates axial growth through a sliding fit sealed with “O” rings. This design has been prone to oil leaks due to poor installation.

RMS coupling guard design utilizes tight bolting and sealants on all flanges to eliminate potential oil leaks and a flexible bellows to accommodate the train machinery thermal growth. Also, the coupling guard features a vent system fitted with oil mist and smoke elimination coalescing type demisters.

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