



**FOR IMMEDIATE RELEASE**

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## **LANCER SYSTEMS ROAD TESTS A COMPOSITE ROAD WHEEL FOR TRACKED VEHICLES**

Kulpsville, PA (March 2007) Lancer Systems LP today announced that it has developed, built and tested a thermoplastic composite road wheel designed for a 30 ton tracked vehicle.

The road wheel is a hybrid glass and carbon fiber thermoplastic composite and steel design that offers a substantial weight advantage over the existing steel or aluminum designs. The current prototype wheel set weights 59.4 lbs (27 kg), offering a weight savings of 41% over comparable aluminum wheel designs.

The wheel's body is glass and carbon fiber thermoplastic composite that utilizes a steel center plate, tire interface and lug supports while the tire utilizes the same base rubber chemistry as the current road wheels. The wheels have gone through extensive testing, including dynamic load, static load, center wear guide tests utilizing test facilities at Red River Army Depot, Michigan Technological University and others. The latest series of tests mounted two wheel sets on a 27 ton vehicle and successfully completing a series high and low speed road and rough terrain courses. The wheel is in the final stages of development and testing.

Lancer Systems is a world class team of engineering and manufacturing experts that are committed to developing and delivering innovating material solutions for tomorrow's most advanced warfighter systems. Lancer has the capability to design and manufacture elastomers, plastics, composites and optical connectivity products, as well as apply assembly and logistics expertise. Lancer fills the gap between prime contractor and component manufacturer. Our customer-centric philosophy is all about collaborative business relationships, adding value and delivering quality product on time.

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