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PR 10: SBIR Phase 2 R&D for Scavenge Fan Life Improvement Study

Santa Ana CA – Dynamic-Air Engineering, a division of DAE Systems, has entered the second phase of a long term contract with the US Army to extend the life and utility of the Scavenge Fan. The highly efficient and powerful Scavenge Fan pulls and cleans dust laden air through pre-cleaners before entering the air cleaner and ultimately the vehicle engine. Dust and dirt are the primary cause of engine erosion and degrade the impeller and air path components. This is important to military vehicles operating in Iraq as fan replacement is expensive. Vehicle downtime also impairs the war effort and can imperil war-fighters who lose their protection while their systems are down for maintenance.



In preliminary tests, Dynamic- Air Engineering has extended fan life by 2 to 3 times depending on configuration. The Army will initiate final field testing on the tracked armored vehicle to verify the improvements and confirm earlier test results. This technology is owned exclusively by Dynamic-Air Engineering and is available for all of Dynamic-Air Engineering fan products including commercial construction vehicles.