



Gear Selector Fork for CVR(T) Tank

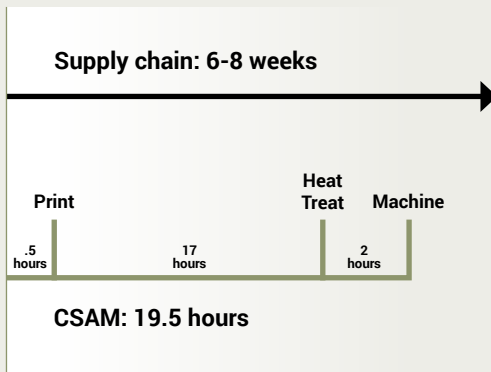
Solving long lead time issues for parts no longer in production.

Benefits

Combatting obsolescence; extending the life of vehicles indefinitely

Minimizing downtime; keeping operations moving without waiting for parts to be delivered

The value of CSAM vs. Supply Chain; 19.5 hours vs. 6-8 weeks



Background

The CVR(T) uses a manually selected epicyclic gearbox produced by David Brown. Selector forks such as these are actuated by the driver through a gear selector pedal to change gears.

The Challenge

The gearbox is no longer in production and spare parts are in limited supply. New stock can be manufactured in limited runs as needed, but they come with a high price tag and long lead times.

The Solution

SPEE3D's CSAM technology can 3D print metal replacement parts from design to deployment in less than 20 hours or 1 day.

The Value

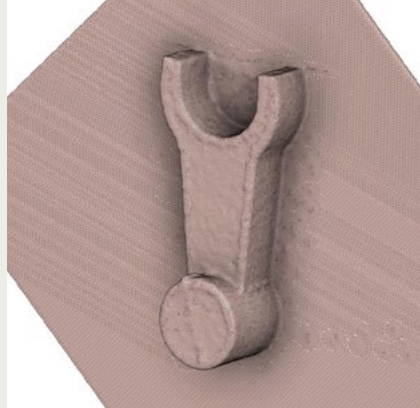
Keeping equipment running is essential in critical environments for any industry. Whether it's a tank on a battlefield, a piece of mining equipment in a remote area, or a valve on an oil rig in the ocean, without the correct spare parts equipment can sit idle and unable to be used. Often the cost of the replacement parts is not the issue, it's the time it takes to receive them. With CSAM technology customers can reduce the wait time for critical spare parts from weeks to less than a day.

Design to deployment in 19.5 hours



Print: 0.5 hrs

Aluminum Bronze, 3kg
of material



Cook: 17 hrs

Heat treated in a standard
air furnace



Cut: 2 hrs

Critical surfaces only machined
on CNC



About The Equipment

The Combat Vehicle Reconnaissance (Tracked) CVR(T) is a family of armored fighting vehicles (AFVs) developed in the 1960s and is in service with the British Army and others throughout the world. They are small, highly mobile, air-transportable armored vehicles, originally designed to replace the Alvis Saladin armored car.

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