

Engine Workscope Optimizer

The Challenge

The reliability of engines is largely determined by the workscope performed on them. By only repairing what has failed results in engines with poor reliability and the replacement of too many components results in reliable, but very expensive engines. Imagine a tool that helps technicians optimize the workscope assigned to each engine, allowing every engine in the fleet to operate at its lowest possible operating cost per hour.

The Solution

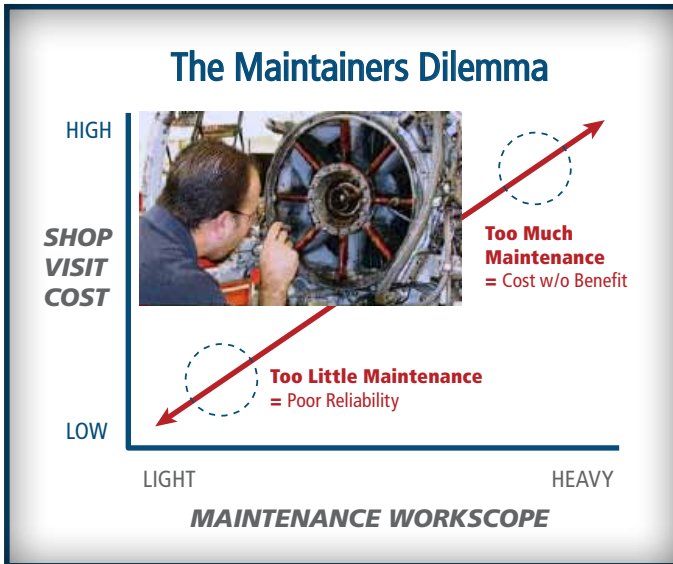
StandardAero has developed, tested and deployed engine workscoping tools for numerous engine types. The workscope optimizers use reliability and cost models to recommend workscopes for individual engines that result in the lowest possible life cycle operating cost per hour.

The Results

Work scope Optimization, along with predictor tools and fly forward model have been implemented on a number of the programs we provide long term maintenance support for. Improvement in reliability and Cost of ownership has typically been between 20 and 30% while improving availability and forecasting of needed spares.

Why StandardAero?

StandardAero Engineering Services rapidly develops and delivers novel solutions to persistent problems. Let our engineers and technical specialists develop a solution for you!



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