



Aerospace

Case Study: Teaming with Fort Walton Machining in Aerospace

Brought To You by Castrol | Nov 21, 2023

THE CUSTOMER REQUEST

To ensure safety and quality of parts, a major US aerospace manufacturer has stringent requirements to approve coolants for manufacturing parts that go into their airplanes. Gaining approval takes the sponsorship of a Tier 1 part supplier to prove out the coolant's technology and performance.

A RICH PARTNERSHIP

So Castrol and Fort Walton teamed up to run trials and receive the OEM approval for Hysol SL 45 XBB. The product met the tough standards and received OEM approval.

"It's a product capable of achieving the best possible machining performance, no matter what material is being machined. And still we're reducing usage level compared to similar products by up to 40%."

Can Sergin
Area Sales Manager, Castrol

A WORLD CLASS SOLUTION

A next-generation metalworking fluid created specifically for the aerospace industry and approved by major manufacturers. This soluble cutting fluid is designed for grinding, milling, turning, drilling, reaming, tapping and broaching a range of aluminum and titanium alloys, and is suitable for machining ferrous alloys.

Watch now: Fort Walton Machining Case Study

RESULTS

Upon implementing Hysol SL 45 XBB, this customer observed a 60-80% increase in equipment life and less emulsification, all without using chloride and biocide.

"The overall results of the product were outstanding. We saw better tool life, we saw less emulsification in our tanks, and generally a better flowing product. So it was a no-brainer for us."

Tim McDonald

Director of Operations, Fort Walton Machining

Previously Featured on Castrol's Testimonials and Success Stories.

www.mscdirect.com/betterMRO

Copyright ©2025 MSC Industrial Supply Co.