

APEX 8500 Lowers Costs and Increases Tool Life

A major Oilfield Services and Product manufacturer was seeking cost reduction and process improvement for a machining operation using 5/8" insert drills that are run 6 days out of the week. The customer drilled 100 pieces per day and tooling cost for one machine was calculated to be **\$5,200** per month. Ashburn Chemical Technologies was brought in to evaluate this process and give a recommendation.

Ashburn's technical specialist suggested testing of **APEX 8500** Semi-Synthetic Coolant in order to increase lubricity and tool life.

Test results showed that the cutting tool lasted **340%** longer, and had to be replaced less often. In total, tooling costs were decreased from **\$5,200** to **\$1,508** per month.

Materials machined: 316 Stainless Steel

MEASUREMENT	Competitor	APEX 8500
Tool Life (Parts/Drill)	52	180
Monthly Cost	5,200	1,508
Yearly Cost	62,400	18,096

The change to **APEX 8500** Semi-Synthetic coolant ultimately saved approximately **\$44,304** in annual tooling costs for this operation.

