

Simple Lab Analysis Saves Manufacturer More Than \$82,000 Annually

PROBLEM

Every five weeks, when a long-time manufacturing customer shut down its plastic extruder for routine maintenance, its maintenance crew spent at least two hours trying to break loose six, specially-made, fine threaded socket head cap screws on a filter assembly. Typically, they ended up sawing them off. It was an expensive ordeal, since the firm figured it cost them \$80,000 annually in overhead costs alone, not counting thousands more in lost profit.

Anxious for a remedy, they asked for our help. After visiting to get the facts and broken bolt samples, we sent the samples to socket screw manufacturer Holo-Krome for lab analysis. HK concluded that the combination of fine threads and use of the wrong anti-seize formula was the cause of the seizures.



SOLUTION

We recommended a standard, off the shelf, coarse threaded, Holo-Krome socket screw combined with Loctite #771 anti-seize.



Our customer ran two tests, five weeks apart, using the recommended fasteners and anti-seize. Each time, the fasteners came apart effortlessly.

PAYOFF

\$82,000+

Annual Savings

Faster repairs \$80,000

Switching from special to standard fasteners \$1,575

Reclaimed profits, which the firm can't reveal ?

Minimum total savings \$82,000+