

# CASE STUDY

## DIE CASTING TRIM SLICK™ 909-D

### CHALLENGES

A global manufacturer of high pressure aluminum die castings for a major motorcycle company was facing the following issues with the current “vanishing” oil-based trim die lubricant being used:

- » High product cost
- » Extreme flammability

### THE SOLUTION

Quaker Chemical Corporation (“Quaker”) developed TRIM SLICK™ 909-D; a new water-based, ready to use emulsion with unique lubrication and anti-corrosion properties. This new emulsion was developed to reduce the risk of fire, protect the stationary and moving components of the trim die, and leave a clean uniform coating on the trim die and die cast.

After a trial period using TRIM SLICK™ 909-D, the manufacturer was able to:

- » Significantly reduce the fire risk
- » Establish that the **trim lubricant was compatible with all painting and plating operations**

Which ultimately resulted in:

- » **Substantial cost savings of 50%**
- » **Improved safety by reducing fire risk**

### THE PRODUCT

TRIM SLICK™ 909-D is a water-based ready to use emulsion trim die lubricant formulated for high pressure aluminum die casting operations. Engineered chemistries provide superior lubrication and corrosion protection.

### THE EXPERTISE

The Quaker DIE SLICK® family of die lubricants provide excellent emulsion stability and exceptional solder resistance at aggressive temperatures, increasing your performance and production. The Die Casting product line offers a complete package of value-added fluids including plunger lubricants, quenchants, fire-resistant hydraulic fluids, ladle coatings, trimming lubricants, cleaners and machining fluids. This case illustrates the importance of supplier relationship, support and correct fluid selection. Proper selection and application of the die lubricant can result in substantial cost benefits. That is why Quaker focuses on developing solutions with the highest performance without compromise, fluids that sharpen your competitive edge.