

# CASE STUDY



## DIE CASTING QUINTOLUBRIC® 702-46 RD

### CHALLENGES

A global supplier of aluminum automotive components manufactures high pressure aluminum die castings for major automotive companies. The manufacturer had been facing issues with their die casting operations and was specifically looking to:

- » Reduce downtime for fluid maintenance
- » Establish a fluid analysis program including ISO cleanliness testing

### THE SOLUTION

G.W. Smith, a Quaker Chemical Company, performed a compatibility analysis and was able to:

- » Demonstrate that QUINTOLUBRIC® 702-46 RD was completely compatible with the competitive fluid, eliminating the need to dump and refresh systems
- » Establish a fluid analysis program including ISO cleanliness testing

Which ultimately resulted in:

- » Substantial savings of 25% through lower cost of product
- » Reduction in downtime due to fluid maintenance

### THE PRODUCT

QUINTOLUBRIC® 702-46 RD is a premium water-glycol fire resistant fluid formulated to meet the demand of today's hydraulic equipment. It is designed to provide optimum performance in hydraulic systems where fire resistant fluids are required. This fluid includes additives that provide lubricity, corrosion protection, and the overall performance demanded by today's high performance hydraulic systems

### THE EXPERTISE

Die Casting lubricants represent a very minor part of the costs in a die casting process, typically less than 1%. This case illustrates the importance of supplier relationship, support and correct fluid selection. The impact of the fluid can be a multiple of its costs, making the price of a metalworking fluid insignificant. That is why G.W. Smith, a Quaker company, focuses on developing solutions with the highest performance without compromise, fluids that sharpen your competitive edge.