



Case History

Castrol Hysol® 6510*

Account:	Manufacturer of diesel engine crankshafts
Customer Need:	Semi-synthetic with better bio-resistance
Previous Fluid:	Semi-synthetic with poor resistance to bacteria

This manufacturer is turning and grinding cranks from steel forgings.

The machining performance of the previous coolant outweighed its poor bio-resistance and persuaded this manufacturer to continue purchasing it for four years. Biological problems resulted in biocide additions every 2 - 3 weeks. The need to improve bio-resistance and reduce additive usage, lead to the testing of **Castrol Hysol 6510**.

A 4 - 5% concentration of **Castrol Hysol 6510** is mixed in very hard, 30 grain (gpg) water. **Castrol Hysol 6510** is charged to the 5,000 gallon central system and applied by flood.

Castrol Hysol 6510 resists microbial attack and extends sump life without the addition of biocides. Furthermore, **Castrol Hysol 6510** performs exceptionally well in both turning and grinding operations. The manufacturer is pleased with the savings from extended sump life and reduced additive purchases.

* Formerly known as Clearedge 6510