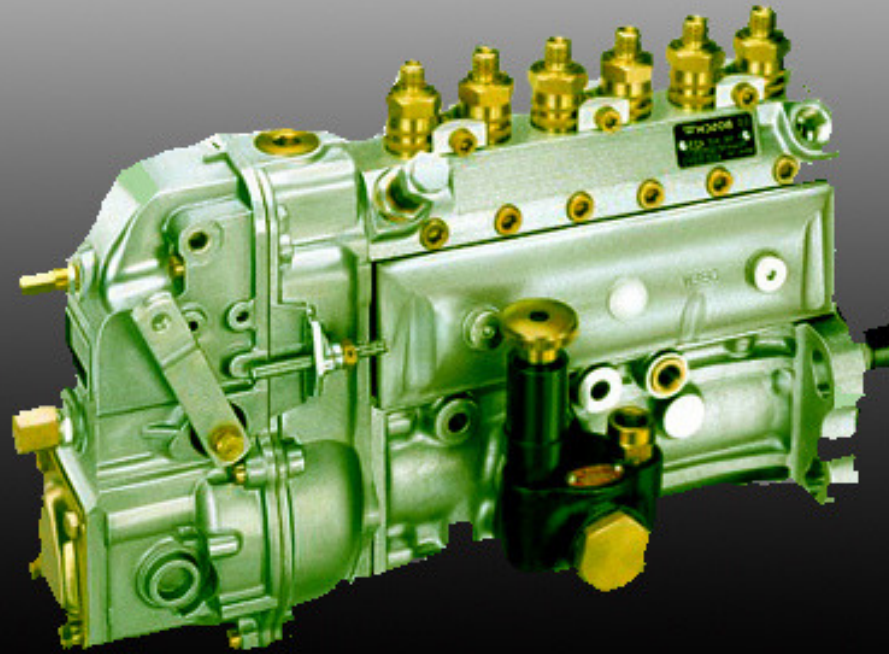


Global Auto Component Engineering company switches to MOSIL Cleaners to improve employee health & safety



OVERVIEW

INDUSTRY SEGMENT

Engineering company

APPLICATION

Diesel Engine

EQUIPMENT

Diesel Fuel Injection Pump

CHALLENGE

White Spirit has varying toxicity and is flammable

EXPECTATION

To develop an environment friendly, non hazardous and non chlorinated cleaning solvent to replace White spirit

RECOMMENDATION

MOSIL DG - 500i

BENEFITS

- Reduced Toxicity
- Lowered Flammability
- Reduced consumption and hence lower environment impact
- Reduction in cost per component

INTRODUCTION

For a leading transnational auto component Engineering establishment, it is important that the automotive components produced by them result in 100% customer satisfaction. Adequate maintenance and cleaning of equipment is required to consistently produce world class components. Diesel injection pump is one such component which is the heart of a diesel engine and whose performance has an impact on the overall performance of an automotive engine and eventual customer experience.

An Injection Pump is a device that pumps diesel (as the fuel) into the cylinders of a diesel engine. Such a critical mechanical gadget needs to go through a number of tests in order to qualify as a finished product.

During these trials, the injection pump requires proper cleaning too. The process of cleaning any equipment is generally a manual one using powerful chemical solvents directly on the surface to remove any kind of contaminants. These basic industrial solvents make working condition hazardous and prosperity threats to people who routinely use or come into contact with these cleaning chemicals.

"Use of less volatile solvents helps to decrease environmental hazards"

With such working environment and limitations on the availability of a good solution, the auto component giant realized that White Spirit is definitely not the type of cleaner they would like to use and they have to find a better solution if they care about their employee health & safety as well as environment.

SOLUTION

In order to prevent potential hazards while keeping the equipment clean at the same time, the auto component manufacturer approached MOSIL to develop a suitable environment-friendly, non-hazardous cleaning solvent which is formulated using non chlorinated ingredients.

MOSIL developed a cleaning solvent in their state of the art R&D Facility to meet the customer expectations and developed MOSIL DG -500i and a trial was conducted. The results were found to be on par with White Spirit, however without compromising on the safety and environmental regulations. Substantial reduction in consumption (almost 20% of the original consumption) was just an icing on the cake.

RESULTS

- Non - Chlorinated Solvent.
- Not harmful to the environment
- An indigenously developed product, with a strong network for availability and sourcing.
- Lower evaporation rate means less consumption as compared to White Spirit or other chlorinated solvents.

Get in touch with our Technical Services team to know how MOSIL can solve your lubrication challenges.

