



NEARLY 10 PERCENT SAVING WITH THE HELP OF LUBRICANT-RELATED SERVICES!

INDUSTRY:

automotive industry

APPLICATION:

CNC cutting machines with individual fluid tank and metalworking centres

PRODUCT:

MOL Emolin 120 biostable metalworking fluid

SERVICE:

fluid management

„We cannot just leave the maintenance of our competitive edge to chance. We bore this in mind when we delegated the task of maintaining and managing our fluid fills to MOL-LUB Ltd. Their Fluid Management service provides comforting stability in this area of our production processes.”

*Péter Lincz,
Head of Enterprise Department,
MOM Faktor Engineering Ltd.*



Economic conditions for automotive industry suppliers are more difficult than for most machine industry companies. They must not only prove the competitiveness of their products and the cost-effectiveness of their operations, but they regularly have to prove their stability to their customers and demonstrate their ability to keep up-to-date with all kinds of technical advances as well. MOL-LUB Ltd., with its wide range of lubricants and services of leading global quality, cooperates very successfully with many automotive suppliers. One of its customers, a Hungarian company using the most advanced technology as well as the established proven ones, succeeded in saving nearly 10 percent of costs by using a new metalworking fluid and its accompanying fluid management service.

This automotive supplier mostly produces special, Wabco-Westinghouse licensed vehicle parts that need outstanding expertise and the application of the latest advanced techniques.

The objective of this Komló company was to reduce metalworking fluid quantities used in its equipment. This task was delegated to MOL-LUB experts, who, after careful assessment of the equipment concerned, materials machined and technologies being applied, recommended use of MOL Emolin 120 biostable metalworking fluid. Tests then showed that with regular monitoring the quantity of metalworking fluid concentrate used can be decreased by 8-10 percent, depending on the products being manufactured, while effectively maintaining tool life and the surface quality of products manufactured. At the same time, MOL Emolin 120 provided excellent stability and washing effect and demonstrated that even up to 18-month change periods could be achieved. MOL-LUB's fluid maintenance technology greatly contributed to these excellent results by providing high quality metalworking fluid maintenance. Since changing over to MOL Emolin 120, the company has used the Fluid Management service as well carrying out regular monitoring of fluid fills and making a proactive contribution to system cleaning and fill changes.

1

CHALLENGE

Improving the company's competitive position by decreasing metalworking fluid-related costs while maintaining outstanding product quality.

2

SOLUTIONS

Recommending a new metalworking fluid, developing application and fluid maintenance technology and providing a continuous Fluid Management service.

3

RESULTS

The quantity of concentrate used for metalworking fluid (complete fills and top ups) decreased by 8-10%. Costs of tools remained at the same level and products kept their outstanding quality.

FLUID MANAGEMENT

Fluid management is one of the most complex and extensive lubricant-related services.

Using a lubricant supplier's fluid management service is especially important for technologies operating with emulsions, i.e. metalworking fluid mixed with considerable quantities of water. Metalworking emulsions need significant maintenance and ensuring their longer service life requires a high level of expertise, experience and special equipment.

Usually **emulsion system maintenance** is the central focus of fluid management. Service providers carry out – or at least supervise and direct – fill changes and concurrent system cleaning.

THEIR RESPONSIBILITIES ARE:

- ♥ fill quality control
- ♥ ensuring expert top ups
- ♥ removing contaminant oil
- ♥ fill treatment where microbiological contamination, foaming or corrosion is present.

A fluid management service may include other lubricants, e.g. cutting oils and machinery lubricants. In this case, service providers monitor all lubricant fills and provide the necessary laboratory tests. They ensure necessary top ups and carry out all the maintenance steps needed to increase fill life and to maintain good equipment state e.g. filtering and dewatering.

Fluid management ensures expert and cost-effective lubricant application.

SERVICES WITH HIGH ADDED VALUE

- backed by accredited oil laboratories
- special equipment for lubricant fill maintenance
- a high level of expertise in lubricant application
- a wide range of experience
- long-term cooperation based on strong trust



SIGNIFICANT BENEFITS

- long lubricant and machine life
- optimum level of lubricant use
- cost savings
- improved productivity: reliability, easier scheduling
- minimum level of unplanned events
- simplified operations of a production company

YOUR PARTNER:

