



Emulsichem Lubricants Pvt. Ltd.

CASE STUDY OF LAVISA SUPER-90

Date	16/02/2007
Name of the organization	Tata Motors Ltd.
Address	Pimpri, Pune
M/c. no. & make for study	Makino NPG
Type of operation	Reaming and surface finishing
Material removal	NA
Thickness of sheet	NA
Type of material	Cast iron
Type & make of tools used	Carbide
Recommended product	Lavisa Super-90
Date of charging coolant	01/02/2007
Dilution (water : oil)	1 : 20
Compared with existing product	Blasocut 4000 strong

OBSERVATIONS & COMMENTS

- NPG are multi-tooling machines wherein reaming and surface finishing of valve guard and valve sheet of cylinder block is done.
- Machine tank capacity 800 ltrs.
- Surface finish observed was below 0.4 microns.
- Tool Life improved by almost 10% as compared to the existing oil.
- Oil exhibited best cleaning & flushing properties.
- Good anti rusting properties and oil film on job surface was tacky in nature.
- Operator and Line Manager satisfied with the performance of the product.