



Emulsichem Lubricants Pvt. Ltd.

CASE STUDY OF METALFIN-LV

Date	01/02/2007
Name of the organization	Bharat Forge Ltd.
Address	Mundhwa, Pune.
M/c. no. & make for study	IMPCO MTB (super finishing machinery)
Type of operation	Super finish
Material removal	5 to 6 micron
Thickness of sheet	NA
Type of material	Forged steel
Type & make of tools used	Film for super finish. (Granite abrasive)
Recommended product	METALFIN LV
Date of charging coolant	September 2000
Dilution (water : oil)	NA
Compared with existing product	Honilo 980

OBSERVATIONS & COMMENTS

- Metalfin LV enhanced the finish quality from 0.3 μ to 0.2 μ
- The oils low viscosity along with excellent flushing and thin film load bearing additives helps to retain the thin uniform film during the operation to give super finish.
- The dust settles down very fastly at the bottom of tank.