



## Emulsichem Lubricants Pvt. Ltd.

### CASE STUDY OF METALFIN-40

Date	01/01/2004
Name of the organization	Bajaj Auto Ltd.
Address	Akurdi, Pune
M/c. no. & make for study	Reishaur
Type of operation	Gear grinding
Material removal	0.5
Thickness of sheet	NA
Type of material	CI
Type & make of tools used	Winterthur / Norten Grinding wheel
Recommended product	Metalfin-40
Date of charging coolant	19/11/2002
Dilution (water : oil)	NA
Compared with existing product	Survocut-353

### OBSERVATIONS & COMMENTS

- Reduction of wear on grinding wheel. Dressing frequency was reduced.
- Surface finish was good, within the tolerance range ( $R_a = 0.35\mu$ ).
- Machine area remained cleaned due to good flushing properties and there was clear visibility during the entire operation.
- The oil is regularized product with all machines of gear grinding charged with Metalfin-40, with 2000 gears done each day per machine.