



Emulsichem Lubricants Pvt. Ltd.

CASE STUDY OF LAVISA SUPER-90

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| Date | 01/04/2005 |
| Name of the organization | KTA Spindle Tooling Pvt. Ltd. |
| Address | 246/9, Hinjawadi, Tal-Mulshi, Dist. Pune. |
| M/c. no. & make for study | CNC-02, Grinding machine |
| Type of operation | Grinding |
| Material removal | 0.2 |
| Thickness of sheet | NA |
| Type of material | Stainless Steel |
| Type & make of tools used | Carborendom Universal |
| Recommended product | Lavisa Super 90 |
| Date of charging coolant | 25/08/2004 |
| Dilution (water : oil) | 1 : 20 |
| Compared with existing product | Syncool-86 |

OBSERVATIONS & COMMENTS

- After charging Lavisa Super-90 on grinding machine, grinding finish visually improved as compared to Syncool-86.
- Grinding dust was carried away and settled in the tank due to translucent, non- sticky emulsion of Lavisa Super-90.
- Dressing frequency decreased as compared to previous oil. (Syncool-86, dressing after 5-6 jobs. Lavisa Super-90, dressing after 17-18 jobs).
- No clogging of pumps due to grinding dust.
- Machine remains clean during the operation.
- No stickyness found on machine bed and slides.
- No rust on jobs observed.
- No foul smell observed even after 2 days of non operation.
- Slight color change due to grinding dust in the bath but bath was fresh even after 6 months.
- All machines are charged with Lavisa Super 90 after its successful tests..