

# CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 1998

DateRun: 03/04/1998

Experimenters: Jason Marshall

ClientType: State Highway Department

ProjectNumber: Project #1

Substrates: Aluminum, Galvanized Steel, Stainless Steel

PartType: Coupon

Contaminants: Cutting/Tapping Fluids, Greases, Lubricating/Lapping Oils, Dirt, Metal fines, Oil

Cleaning Methods:

Analytical Methods:

Purpose: List of alternative cleaning solutions

Experimental Procedure: QUESTION #: 1  
SUBSTRATE MATERIAL: Stainless Steel, Galvanized Steel, Aluminum  
QUESTION ASKED: Want to find a new cleaning solution to clean grease and oil from their automotive parts.

Results: RESPONSE/ANSWER: In 1998, the Massachusetts Toxics Use Reduction Institute (TURI) will publish the results of the tests conducted at the Institutes Surface Cleaning Laboratory (SCL) in a searchable database/spreadsheet format. This should make alternative cleaner selection faster and easier. Here are the results of your query, based on the information supplied:

| SCL #        | Substrate | Contaminant    | Mechanism   | Cleaner      |
|--------------|-----------|----------------|-------------|--------------|
| 94-401-01-8  | AL        | Lubricant, Oil | Ultrasonics | WR Grace     |
| 96-425-01-2  | SS        | Oil            | Immersion   | Buckeye      |
| 96-425-01-2  | SS        | Oil            | Immersion   | Safety Kleen |
| 96-428-01-2* | AL        | Oil            | Immersion   | WR Grace     |
| 96-429-02-2* | Steel     | Grease         | Immersion   | US Polychem  |
| 97-538-07-3  | SS        | Oil            | Immersion   | Ecolink      |

Summary:

Conclusion: Cleaning projects vary from case-to-case. These reports have been sent to client along with the MSDSs of the specific cleaners. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.