

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2000

DateRun: 06/28/2000

Experimenters: Jason Marshall

ClientType: Metal Working

ProjectNumber: Project #1

Substrates: Steel

PartType: Coupon

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

Cleaning Methods:

Analytical Methods:

Purpose: Information request

Experimental Procedure: SUBSTRATE MATERIAL: Steel Parts
REQUEST: Looking for a list of cleaners that can be used to remove machining fluid and metal chips from steel parts.

Results: RESPONSE: Using the lab's ALL TESTS Database, the query yielded the following information on successful laboratory tested cleaners:

| SCL # | Substrate | Cont | Process | Manufacturer | Product | Classification |
|--------------|-----------|------|-----------|--------------------|-----------------------------|-------------------------------|
| 95-412-01-2 | Steel | Oil | Immersion | Aw Chesterton | KPC 820 N | Alkaline Aqueous |
| 95-412-01-2 | Steel | Oil | Immersion | Calgon Corporation | Geo-guard 3015 | Acidic Aqueous |
| 95-412-01-2 | Steel | Oil | Immersion | Cleaning Systems | Release | Alkaline Aqueous |
| 95-412-01-2 | Steel | Oil | Immersion | Oakite Products | Inproclean 3800 | Alkaline Aqueous |
| 96-429-02-2* | Steel | Oil | Immersion | Ardrox | 6333 | Alkaline Aqueous |
| 96-429-02-2* | Steel | Oil | Immersion | Us Polychem | Polyspray Jet 790 Xs | Alkaline Aqueous |
| 96-424-02-2 | Steel | Oil | Immersion | Oakite Products | Inproclean 1300 | Alkaline Aqueous |
| 95-467-01-8 | Steel | Oil | Immersion | Oakite Products | Inproclean 2500 | Alkaline Powder |
| 95-407-05-2 | Steel | Oil | Immersion | Oakite Products | Inproclean 3800 | Alkaline Aqueous |
| 98-683-01-4 | Steel | Oil | Immersion | Watson | Formula 7000 | Alkaline Aqueous |
| 99-6102-02-4 | Steel | Oil | Immersion | Calgon Corporation | Geo-guard 2215 | Alkaline Aqueous |
| 99-6102-02-4 | Steel | Oil | Immersion | Us Polychem | Polyspray Jet 790 P | Alkaline Aqueous |
| 99-6102-02-4 | Steel | Oil | Immersion | SWR Corp | SWR One | Alkaline Aqueous |
| 99-6102-02-4 | Steel | Oil | Immersion | Gemtek | SC Aircraft & Metal Cleaner | Alkaline Aqueous |
| 99-6102-03-4 | Steel | Oil | Immersion | US Polychem | Polyspray Jet 790 P | Alkaline Aqueous |
| 99-6103-02-2 | Steel | Oil | Immersion | Safe Cleanup | Super-neutral | Aqueous |
| 99-6103-02-2 | Steel | Oil | Immersion | Envirosolutions | Solsafe 245 | Alcohol-aliphatic Hydrocarbon |
| 99-6103-02-2 | Steel | Oil | Immersion | AG Environmental | Soy Gold 2000 | Soy Methyl Ester |

CLEANING LABORATORY EVALUATION SUMMARY

| | | | | | | |
|--------------|-------|-----|-----------|--------------------|-----------------------------|------------------|
| 99-6103-02-2 | Steel | Oil | Immersion | Gemtek | SC Aircraft & Metal Cleaner | Alkaline Aqueous |
| 99-6103-03-4 | Steel | Oil | Immersion | Forbest | Sea Wash 700 | Neutral Aqueous |
| 99-7102-04-4 | Steel | Oil | Immersion | US Polychem | Polyspray Jet 790 P | Alkaline Aqueous |
| 99-7102-04-4 | Steel | Oil | Immersion | Calgon Corporation | Geo-guard 2215 | Alkaline Aqueous |
| 99-7102-04-4 | Steel | Oil | Immersion | Oakite Products | Inproclean 3800 | Alkaline Aqueous |
| 00-7102-05-4 | Steel | Oil | Immersion | Oakite Products | Inproclean 3800 | Alkaline Aqueous |

Summary:

Conclusion:

Cleaning projects vary from case-to-case. To obtain more detailed information about any of the listed trials, have the SCL # ready when contacting the lab at (978)934-3133.