

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2022
 DateRun: 09/12/2022
 Experimenters: Jason Marshall
 ClientType: Tool Manufacturer
 ProjectNumber: Project #1
 Substrates: Steel
 PartType: Part
 Contaminants: Inks
 Cleaning Methods: Immersion/Soak
 Analytical Methods: Visual

Purpose: To evaluate successfully screened products on supplied parts to determine removal times

Experimental Procedure: Products that tested for positive removal of the UV cured ink from steel parts were put into small beakers to a level that would partially submerge the UV ink in the solution. Parts were allowed to soak for up to 30 minutes and then removed from the solution and wiped with a paper towel to remove the ink. If parts were not completely cleaned, they were reimmersed for more time. Observations were made and products were ranked based on visual removal amounts.

Results: A couple of products were effective after 30 minutes of soaking. Each product tested still needed manual wipe remove the soil.

Product	Observations
SC Supersolv	Worked well on soil. Down to base metal with wiping
Solvent Blend 2 (60/31/9)	Very well. Easily wiped down to base metal
Bitu OX Bio NT	Minimal paint removal beyond basic cleaning trial

Summary:

Substrates:		Steel			
Contaminants:		Inks			
Company Name:	Product Name:	Conc.:	Efficiency:	Effective:	Observations:
Gemtek Products	SC Supersolve Safety Solvent	100		<input checked="" type="checkbox"/>	
No Specific Vendor	Solvent Mix 60% D-limonene; 31% Benzyle Benzoate; 9% dimethyl glutarate	100		<input checked="" type="checkbox"/>	
Green Way Products	Bitu Ox Blo NT	100		<input type="checkbox"/>	

Conclusion: The top two products will be tested using ultrasonic cleaning to replace manual wipe removal of paint.