

CLEANING LABORATORY EVALUATION SUMMARY

SCL #: 2004

DateRun: 07/07/2004

Experimenters: Heidi Wilcox

ClientType: Lab

ProjectNumber: Project #1

Substrates: Steel

PartType: Coupon

Contaminants: Oil

Cleaning Methods: Immersion/Soak

Analytical Methods: Gravimetric

Purpose: Laboratory evaluations of alternative cleaning products

Experimental Procedure: Basic cleaning performance testing was conducted using ASTM G122 as the bases for cleaning.
Cleaning: 5 min. immersion cleaning at 96 F with stir-bar agitation.
NO Rinsing
Drying: 30 sec. Air blow off using hose
Contaminant:
Oil Catrol Industrial - Castrol Quench Oil Cas# 647-55-8, 64742-65-0, 8052-42-4

Results:

Summary:

| | | | | | |
|----------------------|---------------------------------|---------------|--------------------|-------------------------------------|----------------------|
| Substrates: | Steel | | | | |
| Contaminants: | Oil | | | | |
| Company Name: | Product Name: | Conc.: | Efficiency: | Effective: | Observations: |
| Petroferm Inc | Lenium CP (no longer available) | 100 | 97.72 | <input checked="" type="checkbox"/> | |
| Petroferm Inc | Lenium CP (no longer available) | 100 | 99.76 | <input checked="" type="checkbox"/> | |
| Petroferm Inc | Lenium ES | 100 | 99.77 | <input checked="" type="checkbox"/> | |
| Invista S.a.r.l | Flexisolv DBE 6 ester | 100 | 99.88 | <input checked="" type="checkbox"/> | |

Conclusion: All cleaned effectively.