

World Class Cleaning Solutions

Case Study

Marine & Auto Engine Cylinder Blocks & Heads

CUSTOMER DETAILS

Product: Alkaline Deruster HD

Parts Cleaned: Blocks and heads from many kinds of internal combustion engines.

Specific Metals: Ferrous metal

Removing What Soil: Rust, carbon, paint

Why: Rebuilding the engine requires very thorough removal of heavy soils.

Improvements Sought: Heavy soils are difficult to remove quickly and thoroughly.

EQUIPMENT USED

Ultrasonic Washer is ideal, 40 kHz ultrasonics. Typically 40-80 gallon.

Tierra Tech MOT-150N works well.

BRULIN PARTNER PROCESS

Chemistry: Alkaline Deruster HD

Concentration: As low as 7% proven in marine engine overhaul applications. Typical is 15-20%.

Temperature: 158-176°F / 70-80°C

Time: 1-2 hours total wash time.

Optional Wash: Short wash in AquaVantage® 815 GD-NF for final clean and flash rust protection.

Rinse Water Number and Time: 1 stage, ~5 min or as needed. Add flash rust protection with RP835 if not in second wash.

RESULTS

Heavy soils effectively removed.

REASON BRULIN WON

Alkaline Deruster HD removes rust, carbon and paint. Distributor partners supplies effective washing system.

CURRENT SITUATION WITH PROCESS

Introduce to smaller repair shops

