



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.

BHC Partner Process:

Chemistry: Alkaline Deruster HD

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

Temperature: 158-176F / 70-80C

Time: 1-2 hours total wash time.

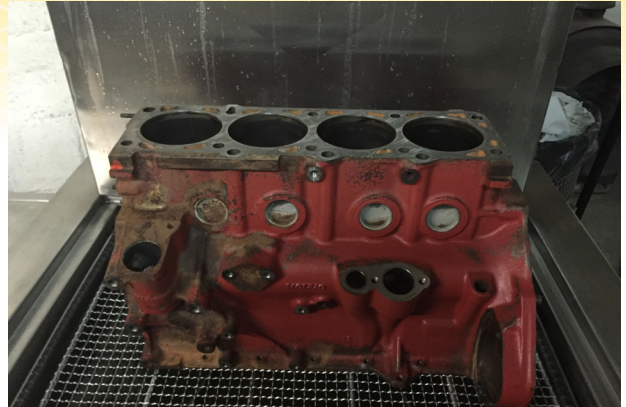
Optional Wash: Short wash in AquaVantage 815GD-NF for final clean and flash rust protection.

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

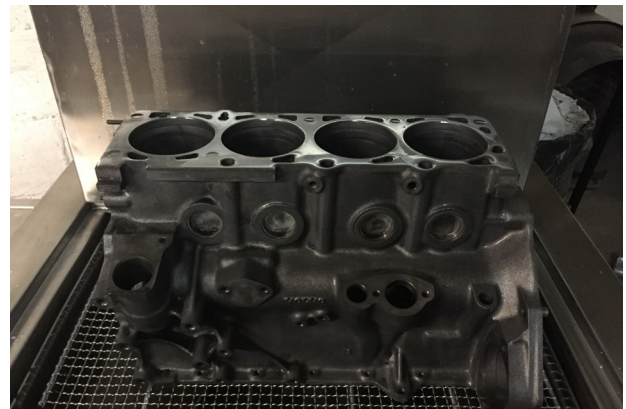
Results: Heavy soils effectively removed.

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

Before



After



Current Situation with Process:

Introduce to smaller repair shops

Before



After

