

ArmaKleen Technical Service Report Summary

Cleaning Trial Type: Aqueous

Industry: Prototype Manufacturing

Segment: Mfg – 28 – Machine (incl medical)

Soil: Aluminum dust

Substrate: Aluminum

Description of Part(s): An aluminum engine head

Customer objective: The customer was looking to improve their cleaning performance, automate their cleaning process and reduce their cleaning costs.

Cleaner used: 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner

Machine used:

- Ultrasonic Washer (SK Blackstone 6315)
- Agitating Immersion (SK Model 81.8, Graymills T24)

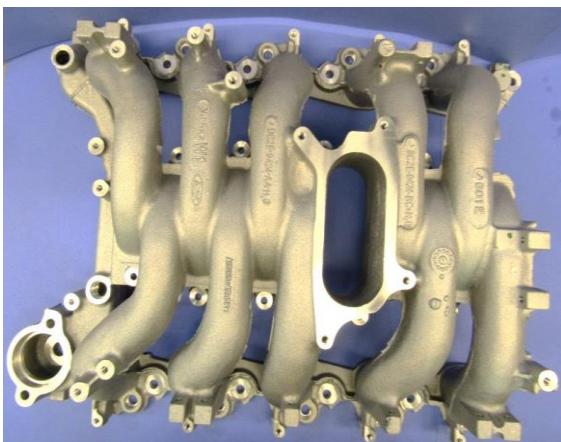
Temperature used: 160°F

Time required: 10 minutes

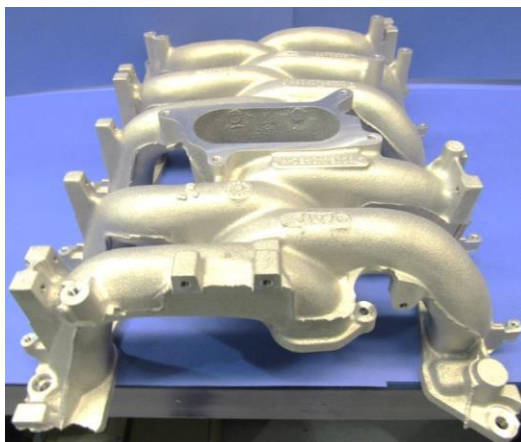
Post Cleaning: Fresh water rinse followed by air pressure drying

Recommendation to Customer: The ArmaKleen Technical Center recommends using a 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 160°F in an Ultrasonic Washer for a minimum of 5 minutes followed by 5% by volume solution of ArmaKleen™ 4 in 1 Cleaner at 150°F for a minimum of 5 minutes in of Agitating Immersion (***Total Clean Time: 10 minutes***)

Before Picture



After Picture



Source: TSR #16-A-055