

## **AGGREGATES | MDS M412 PROCESSING DEMOLITION WASTE**

**A dealer faced a significant challenge in processing demolition waste mixed with solid clay and sticky materials. The presence of large concrete slabs, too sizable for conventional screeners, exacerbated the problem.**

The frequently wet weather in the UK compounded the issue, causing the feed material to become sticky and adhere to screeners and scalpers. To address these challenges, the MDS M412 was used in the demolition waste processing application.

### **Challenge**

The primary challenge was to efficiently separate clean concrete from sticky materials and clay within the demolition waste. The large concrete slabs, combined with the wet feed material, caused frequent stoppages and inefficiencies in conventional processing equipment.



### **M412 Trommel Solution**

The MDS M412, equipped with a Diesel CAT 2.2 Tier 4 Stage 5 Engine, fines 75mm (3") fully welded drum, and a drum cleaner attachment. The M412's specialized design proved highly effective in cleaning the demolition waste, ensuring the removal of sticky materials and clay. The machine demonstrated a consistent throughput of 200-250 TPH, with a fuel efficiency of 15 L/hr. Notably, its ability to handle oversized feed material made it an ideal solution for this challenging application.

### **Job Requirements**

-Get clean concrete out of sticky materials

**The M412 Track Trommel is ideal for screening from light material to recycling heavy demolition waste. This machine can also operate in the quarry, cleaning dirty material up to 600mm (24") in height. It comes complete with the fold out stockpiling conveyors and ideal for moving around the quarry and from one site to the next.**

**Location:** UK

**Machine:** MDS M412

**Application:** DEMOLITION WASTE

**Throughput:** 200-250 TPH, Fuel Efficiency 15 L/hr

**Machine Specs:**

Diesel, CAT 2.2 Tier 4 Stage 5 Engine  
Fines 75mm (3") Fully Welded Drum  
Drum Cleaner Attachment



**Key Benefits:**

**Clay Removal:** The MDS M412 successfully removed clay from the concrete, resulting in a cleaner and higher-quality output.

**Increased Productivity:** By minimizing stoppages caused by sticky materials, the M412 contributed to a significant boost in overall productivity for the customer.

**Year-round Operation:** The MDS M412's capability to handle wet and sticky materials allowed for uninterrupted operation throughout the year, even in the rainy weather conditions prevalent in the UK.

**Conclusion:**

The deployment of the MDS M412 in processing demolition waste showcased its effectiveness in handling challenging materials and adverse weather conditions. The machine's powerful drum cleaning capabilities and robust design not only addressed the immediate processing challenges but also provided sustained benefits, including improved productivity and year-round operational reliability.

