

# Case Study – Schramm Inc

## Application

- [T685 Truck Mounted Top Head Drive Rotary Rig](#)

## Specification

- Reverse circulation exploration drill rig
- MTU 12V2000 rated at 905bhp @ 1800rpm

## Benefits

- Pin Fin technology solved thermal shock in machine operation in extreme environmental conditions from below freezing to 50DegC ambient
- Fully integrated cooling solution for all cooling circuits including engine, compressor oil, hydraulics and fuel

## Solution

- Air Radiators V Pack cooling solution comprising
  - Copper/brass engine cooling, all circuits
  - Pin Fin cooling for compressor oil
  - Aluminium Bar and Plate coolers for Hydraulics and Fuel
  - Airscrew fan technology for optimised air movement

## Volume

- Validated prototype unit supplied in 2013



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