

Project: Komatsu HD-785 Diesel and Hydraulic Storage Tanks

Category: Insulation & Corrosion Protection

Completion

Date: 2012 and ongoing

Product: Rhino TUFF STUFF[®] Polyurethane

Dealer: Rhino Linings East Perth (Beam Rust Proofing)



Masked Dump Truck

Job Description:

Rhino Linings Australasia and several Rhino Dealers approached manufacturers of heavy mining equipment with the view to protecting key components on these vehicles. Komatsu Marketing Support Australia Pty Ltd based in Welshpool, WA indicated that they needed a coating to protect against corrosion and impact, plus a coating to reduce heat build-up inside both the Diesel fuel tank and the main Hydraulic storage tank of the Komatsu HD-785 during normal operations. Both tanks are exposed to the radiant heat of the sun.

In providing a solution to Komatsu's problem, Rhino Linings East Perth (Beam Rust Proofing) sprayed Rhino TUFF STUFF premium polyurethane to a nominal thickness of 4mm over the accessible areas of the two oil storage tanks (diesel and Hydraulic oil) on each HD-785 Dump Truck in the customers fleet.

Rhino TUFF STUFF spray applied polyurethane coating has replaced thin build epoxy paints that have been found to regularly crack, chip or fail in the haul road environment on Australian mine sites. The failure of thin build paints on these vehicles has resulted in early corrosion onset and maintenance down time.

Another advantage of Rhino spray applied membranes is that they can be re-applied to the older coating without having the old coating removed (eg like paint) and they are UV stable.

Machinery initially coated with Rhino have now been back in full operation for 12 months and fully meeting the expectations of the Komatsu group. The work is continuing ... 14 dump trucks have now been coated.



Diesel Tank Coating



Hydraulic Tank Coating