



CORROSERV (M) SDN BHD

CASE HISTORY ~ CH0032

REHABILITATION OF INTERNAL AREAS OF SEPARATOR VESSEL

THE CHALLENGE: The internal areas of this steel horizontal dish end separator vessel have exhibited deep pitted areas mainly on the bottom area where chemicals / sludge settles thus attacking the surface. The original wall thickness is 40 mm and the observed pitting has a depth range from 4 mm to 9 mm that makes the client bothered about the situation. They wish to extend the service life of the vessel and needs to rehabilitate the affected area with a product that exhibits excellent adhesion properties, fill-up the pits to its original profile and provide good chemical/ corrosion resistance.

THE SOLUTION: Corroserv (M) Sdn Bhd was chosen to provide a system using Corro-Dur Wet Lay-Up fiber glass system for long term service and corrosion protection. The repair system provides a fast curing two-component epoxy to fill-up the deep pitting and apply an epoxy lining to smoothen the uneven areas. Finally, the fiberglass and tissue mat saturated with Corro-Chem 330 provides a chemical resistant fiberglass lining.

THE RESULT: The fiber glass wet lay-up system being a fast cure system was able to meet the client's shutdown schedule and provides an excellent barrier between the substrate and the chemicals. Also, this system was also applied on another vessel.



Figure 1: External View of the vessel



Figure 2: Close-up view of the Corro Dur Wet Lay-Up system applied in the tank



Figure 3: Compartment near the man way, fully top coated with Corro Chem 330

APPLIED SYSTEM:
CORRO-WRAP WET LAY-UP

YEAR:
2005

LOCATION:
BRUNEI

NO SEA TOO DEEP, NO JOB TOO TOUGH!

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