Repair of cylinder block on diesel generator “Sulzer 5AL25/30”

Diesel generator (type “Sulzer” 5AL25/30) was seriously damaged due to torn bolt on connecting rod bearing of movement №3. As result from the break the inner frames and walls on the both sides were destroyed (fig. 1). The block was repaired with METALOCK technology for cold repair (fig. 2, 3). Due to this method the shipowner uses this generator in full capacity.

The STBD side of diesel generator (type “Sulzer” 5AL25/30) was destroyed in the area of third movement due to an operational failure (fig. 1). Diesel generator (type “Sulzer” 5AL25/30) was seriously damaged due to torn bolt on connecting rod bearing of movement №3. As result from the break the inner frames and walls on the both sides were destroyed (fig. 1). The repair was successfully fulfilled on site and in its completion (fig.3) was surveyed by authorized body, acting in this case as a third party.

Repair of camshaft bearing seat of ME “MAK”

Due to a failure a crack appeared on the camshaft bearing seat №7 of ME “Mak” (fig.1). The crack was limited and restored using the Metalock method (fig.2).

STBD side of diesel generator (type “Sulzer” 5AL25/30) was destroyed in the area of movement №4 due to the operational failure (fig.1). Diesel generator (type “Sulzer” 5AL25/30) was destroyed in the area of third movement due to an operational failure (fig. 1). Diesel generator (type “Sulzer” 5AL25/30) was destroyed in the area of third movement due to an operational failure (fig. 1). Diesel generator (type “Sulzer” 5AL25/30) was destroyed in the area of third movement due to an operational failure (fig. 1). Die...