

Norddeutsche Affinerie Hamburg, Cooling Water Pipe



Thursday, 3/6/2008, 10 am

Room temperature 16°C, Temperature of pipe surface 9°C, little condensation

Condensation wiped off, application of MMG coating, MMG adheres well

Thursday, 3/6/2008, 1 pm

MMG strongly corrodes the green synthetic resin varnish

MMG plus old varnish scraped off, no problems with new MMG application

Friday, 3/7/2008, 8 am

Room temperature 13 °C , pipe surface temp. 5°C

HSC 300 applied by brush and scraper, thickness approx. 3 mm

Hot air blower started for faster drying, therefore heavy condensation on the pipe, Hot air blower turned off on Saturday morning

Temperature pipe surface 5°C, temp. on HSC 7-8°C

Letting dry over the weekend

Tuesday 3/11/2008, 7.30 am

Half of the testing pipe length application of HSC to total thickness of 6 mm, even rest of testing pipe length to 3 mm thickness

Afterwards pipe surface temperature 5.7°C with condensation,
HSC surface temp. 3 mm thick : 7.9°C
HSC surface temp. 6 mm thick : 9.9°C

Overcoating with STH will be applied on 3/13, temp. measurements will be repeated conclusively



Afterwards pipe surface temperature 6.4°C with condensation,
HSC surface temp. 3 mm thick : 8.8°C without condensation
HSC surface temp. 6 mm thick : 10.3°C without condensation