

TR-16-12 Material Problems and Their Countermeasures
October 30 – November 16, 2012

Lecturer: Kenichi Morota

Content: Petroleum Industry in Japan;
Material and Inspection of Static Equipment;
Maintenance Management in Japanese Refinery;
Material of Pressure Vessels;
Estimation of Remaining Life of Static Equipment;
TPR (Total Plant Reliability) Activity;
Typical Case of Corrosion in Refinery;
Fundamentals of Welding; Metallurgy of
Welding;
The Latest Welding Technologies;
Typical Problems and Countermeasures of High
Tensile Steels;
Repair Technology of Tanks;
Tank Corrosion and Countermeasures;
Corrosion & Deterioration Problems of Materials in Refinery;
Typical Mechanical Damages in Refining Industry;
The Latest Welding Technology;
Corrosion of Metals in Oil & Gas Industries

Site visits: The Japan Steel Works, Ltd. (Muroran Plant);
JX Nippon Oil & Energy Corporation (Muroran Refinery);
Taseto Co., Ltd. (Fujisawa);
IHI Corporation (Production Engineering Center);
Shinko Plantech Co., Ltd. (Head Office);
Chiyoda Corporation (Head Office)

Countries: Iraq, Libya, Myanmar, Nigeria, Pakistan, Saudi Arabia, Thailand, Uzbekistan, Vietnam, Yemen



<10 countries / 14 participants>