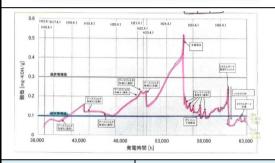
Sample Case: Gas Power Plant (Steam Turbine)



Electro-hydraulic governer for Gas Turbine (1,100MW) had oil oxidize issue which caused sudden mulfunction.



Existing mesh type filteration system could not reduce acid value



They often exchanged an activated clay filter, but it could not lower the acid value to regulation level (When generator was in operation, the acid value even became highter than regulated level)

Current Situation

Equipment OIL Electro-hydraulic governer for Gas Turbine

Phosphoric ester / fire resistant oil.

Existed Filter System

High quality mesh type filteration & Activated clay filter

Issue

Even exchaning expensive filters and hydraulic oil, a sudden accident caused by oxidized oil cannot be prevented.



Counter Measure

Install MB to the hydraulic oil tank



Result

Before MB installation, oil became dramatically clean, and acid level was reduced from 0.5 to 0.073 (regulation level is 0.1).

Voice of Customer

We took all possible countermeasures till now, but none on them could not reduce acid level.

However, after installation of MB, acid level has been maintained under ragulated level, and it requries no oil exchange which redcue the cost of US\$ 90,000/time.