

Type of Industry : POWER (2600MW)

Division : CHP

Application : COAL MILL CRUSHER BEARINGS.

Crusher details : Make : Elecon
Capacity : 800 Tonne * 2
Rpm : 750
Temp : 80°C (Before OMEGA)
Bearing details : Spherical Taper Roller
Bearing (22244ck&22234k)

Problem : High temperature is observed at both DE & NDE side
And also abnormal bearing sound noticed, grease is getting
Squeeze out.

Regreasing interval: Once in 15 days with other grease.
Once in one month with Omega85

Recommendation : OMEGA85 grease

Improvement : After applying OMEGA85 grease, the temperature is
Reduced by 60 deg C to 45 deg C and bearing sound also
reduced

Result : They are planning to take trial for another crusher.

Type of Industry : POWER

Division : AHP

Application : CLINKER GRINDER BEARINGS.

Clinker grinder details : Bearing : SKF22317 (Double roll taper bore)

Rpm : 60

Temp : 80⁰C (Before OMEGA)

50⁰C (After OMEGA)

Problem : High temperature is observed and bearing failure due to Water contamination.

Recommendation : OMEGA95 grease.

Improvement : After applying OMEGA95 grease, the temperature is Reduced by 50⁰C to 40⁰C and bearing failure eliminated