

**Type of Industry** : Steel

**Division** : Pallet

**Application** : Heat resistance fan Motor

**Motor details** : **Rating: 630kw**  
Rpm : 900  
Temp : 100<sup>0</sup>C (Before OMEGA)  
DE : Ball bearing  
NDE : Roller Bearing

**Problem** : High temperature is observed at motor DE side (100”C)  
And also abnormal bearing sound noticed

**Recommendation** : OMEGA85 grease

**Improvement** : After applying OMEGA85 grease, the temperature is  
Reduced by 100<sup>0</sup>C to 75<sup>0</sup>C and bearing sound also reduced  
  
They have replaced the bearing during plant shutdown.  
  
They require minimum 4 hours to replace the bearing

**Savings** : **Production/Day** : 3600 metrictonne.  
**Value** : Rs8000/metrictonne  
: 150mt X 4hrs =600mt  
: 600mt X 8000 =Rs 4800000/-

**Result** : They have standardized the Omega85 grease for all critical  
Electric motors

**Type of Industry** : STEEL

**Division** : BLAST FURNACE

**Application** : COOLING TOWER GEAR BOXES  
(Paharpur Make)

**Problem** : Oil Leak, frequent oil top up and temperature build up .

**Recommendation** : OMEGA 612.

**Improvement** : After adding OMEGA612- Oil change period extended from 6 months once to 2 years. Temperature & vibration Reduced drastically equipment is running smoothly, Which resulted in bulk quantity procurement of 2 thousand liters.