



CLIENT

One of India's leading steel ball and roller manufacturer located in Maharashtra



THE PROBLEM

For its steel ball tempering process, the client required oil temperature upto 290 c. However, with the existing tempering oil, a maximum temperature of only 210 c was being achieved. Therefore, the required hardness of steel balls was not being achieved. Moreover, above certain temperatures, there was toxic fume formation from the existing tempering oil.



OPERATING CONDITION

Process	Steel ball tempering
Tank size	400 liters
Maximum oil temperature	300 c
Product in use	Competitor product



THE SOLUTION

We introduced Classic temper 680 with the following properties:

- + High viscosity and viscosity index
- + High flash point and auto-ignition temperature
- + High oxidation stability
- + Formulated from synthetic base stock

(Trial Results Of Classic temper 680)



Required hardness of steel balls achieved



Required temperature for tempering achieved



No fumes and reduced risk of fire