



## *Proof of Performance*

### **Gear Shield NC® In The Power Industry Open Gear Lubrication of FGD Mills**





# *Proof of Performance*

## **Background Information**

**Industry: Cement**

**Application: Open Gear Lubrication**

**Equipment: FGD Lime Grinding Mills   Lubricant: Petron Gear Shield NC®**

### **Previous Condition:**

1) Gear Shield® commissioned on two new FGD limestone grinding mills in 1994.

### **Current Condition:**

1) Gear Shield NC® currently lubricates the open gears of both mills.

2) Excellent Lubricant film visible on face of gear teeth. No build up of lubricant on gears.

3) Consumption of Gear Shield NC® steady at approximately 500 pounds per year per mill.

### **Benefits:**

1) Gear Shield® exceeds OEM base oil viscosity

2) Gear Shield® drains freely from guard of mill.

3) Mills have operated twelve years with no change of gears.

**High Viscosity Film**



**Gear Shield® Draining From Mill**

