



**PETRON
PLUS™**
FORMULA 7



LONE STAR INDUSTRIES



- ▶ **MAJOR FAILURE ON # 2 TRUNNION BEARING**
- ▶ **I. D. FAN BEARINGS SCORED AND BABBIT PULLED**
- ▶ **HIGH OIL CONSUMPTION ON RAW MILL JOURNALS**
- ▶ **HIGH TEMP ON COOLER FANS & FINISH MILL DUST FANS**
- ▶ **HIGH TAMP ON FALK REDUCERS ON KILN DRIVES**

CUSTOMER TESTIMONIAL

CUSTOMER & TEST PROFILE

In January, Lone Star experienced a major failure with their # 2 trunnion bearing. The trunnion shaft was badly cut. The plant manager had been planning a winter outage but it was not scheduled until March. The trunnion change out would require several days to change out.

CUSTOMER TESTS & RESULTS

They took a chance by changing out the failed bearing, leaving the trunnion which weights approximately 50 tons in place and the added Petron Plus Formula 7 Transmission & Gearbox Supplement to the high pressure lube system. The trunnion bearing lasted until their March outage. The plant manager stated...“Just how significant that was you probably can’t fathom, but the scored trunnion shaft and bearing shouldn’t have lasted several hours of operations. When we dismantled the trunnion assembly we had a representative from Allis Chalmers present for the reassembly process. He could not believe what he saw. The bearing under the scored shaft did not have a mark on it.”

OTHER AREAS WHERE PETRON PLUS WAS USED AND RESULTS

I. D. FAN BEARINGS

They ran the raw mill I.D. fan for two months with shaft slightly scored and babbitt pulled. After shutting down to change bearing, shaft was smooth and there was no further bearing damage.



Rotary Kiln & Trunnion Bearing



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OTHER AREAS WHERE PETRON PLUS WAS USED AND RESULTS

RAW MILL JOURNALS

Oil consumption has dropped.

FINISHED MILL JOURNAL BEARINGS

Lower operating temperatures.

COOLER FANS & FINISH MILL DUST COLLECTOR FANS

Lower operating temperatures. Dropped from 175°F - 185°F range to 140°F - 145°F range with use of Petron Plus Formula 7

FALK REDUCERS

Kiln drives }
W-3800 conveyer } - Lower operating temperature
KB-1600 elevator } and smoother operation.

RAW MILL I. D. FAN MOTOR BEARINGS

Use of Petron Plus Formula 7 enabled us to delay changing a rough bearing on a 2000 H.P motor until timing was convenient. Dropped temperature from 165°F to 135°F.

COOLER DRIVE BEARINGS

Petron Plus developed high temperatures (Lithium Complex) grease which incorporated Petron Plus Formula 7. Bearing problems have been significantly reduced.

