

Country:	INDIA
Segment:	Chemical
Customer:	Grasim Industries – Epoxy
Location:	Vilayat, Bharuch, Gujarat
Department:	Epoxy Area
Equipment:	Paddle Dryer
Component:	Dryer Roller Bearing
Temperature	150 C
Bearing Size	23068CCK-C3W33 -SNL 3068

**Equipment Process:**

High-Temperature Dryer operating @ 150 C.

**Current Operating Conditions / Application Challenges:**

- High Load
- High Temperature @ 150 C
- Bearing Size : 23068CCK – 4 Nos.
- RPM : 15-20
- Production Process – 3 shifts
- Bearing Temperature – 90 & 96 C

**Lubrication Practice (BEFORE):**

- Lubricant: ServoGem EP 2
- Lubrication Method: Manual (Grease Gun)
- Relubrication: Every 7 Days

**Customers' Problems**

- Grease Melt-out
- Frequent re-lubrication.
- High Consumption of existing product.

**Lubrilog Solution – STARPLEX HT 462**

- Very High 4-Ball weld load of 800 KG for better wear protection and prolonged bearing service life.
- Non-Melting grease. Hence, no dripping @ continuous high temperature.
- Almost 4 times base oil viscosity for better protective lubricating film.
- Excellent corrosion protection in humid & acidic environment in pre-treatment area.

**Trial**

- STARPLEX HT 462 was filled on 10<sup>th</sup> April 2024.
- Grease filling 14 Kg / Bearing done to avoid over greasing.
- Bearings were checked after 4 months of operation, on 9<sup>th</sup> August 2024 for condition check and found slightly colour changed but working without melt-out.

**Benefits to Customer:**

- Bearing running without relubrication 4 month and next 2 month no need to top-up.
- Used Grease observed with good lubricity in bearing even after 120 days in operations.
- No bearing jamming or failure.

**GREASE FILLED ON 10<sup>TH</sup> APRIL 2024**



**INSPECTION ON 9<sup>TH</sup> AUGUST 2024 (120 Days)**



Customer happy to have shifted to LUBRILLOG STARPLEX HT 462 & implementation on other 2 bearings

**Tangible Savings for the customer:**

- Reduce consumption of Lubricant and Housekeeping
- Reduce Manpower for relubrication