

Country:	INDIA
Segment:	Automotive
Customer:	Hero Moto Corp
Location:	Gurgaon, Haryana
Department:	Maintenance - Paint Shop
Equipment:	Paint Shop Conveyor – CED Line
OEM:	Vinar Systems Pvt Ltd
Component:	Trolley Bearing
Temperature	1800 C
Conveyor	400 mtr.

**Equipment Process:**

High-Temperature baking of painted components @ 1800 C.

**Current Operating Conditions / Application Challenges:**

- High Load
- High Temperature @ 1800 C
- Travel Time in Oven: 40 minutes
- Conveyor Cycle time – 3 hrs
- Speed – 1.2 mtr/min
- Production Process – 3 shifts

**Lubrication Practice (BEFORE):**

- Lubricant: VISCHEM 502
- Lubrication Method: Manual (Grease Gun)
- Relubrication: Once every 45 – 60 Days

**Customers' Problems**

- Grease Drying.
- Bearing Jamming & resulting in failure.
- Frequent re-lubrication.
- High Consumption of existing product.
- High Cost of lubricant.

**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 7 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 13th September 2020.
- Controlled grease filling 8 to 10 gm/bearing done to avoid over greasing.
- Bearings were checked after >100 days of operation, on 23rd December 2020 for condition monitoring.

**GREASE FILLED ON 13TH SEPTEMBER 2020**



**INSPECTION ON 23RD DECEMBER 2020 (> 100 Days)**



**Benefits to Customer:**

- Relubrication interval extended by 1.5-2 times (90 - 120 days)
- Used Grease observed with good lubricity in bearing even after 100 days in operations.
- No bearing jamming or failure.

Customer happy to have shifted to LUBRILLOG STARPLEX HT 462 & implementation on all the critical line.

**Tangible Savings for the customer:**

- >45% in grease consumption
- >35% in grease cost