

SUPERQUIET 100

India's First and Only True Synthetic Grease That Will Not Leak into Windings and Cause Failure of HT Motors
HT Motor Applications in Specialty & Bulk Chemical Plants

Specialty chemical plants run HT motors on main process pumps, compressors, dryers, scrubber fans, and utility systems. Each motor typically supports a specific production line whose shutdown is immediate. Atmospheres vary by plant — solvent vapour, acid mist, alkali carryover — all of which accelerate grease breakdown and winding contamination. SUPERQUIET 100 fits the multi-campaign reality of specialty chemical manufacturing.

Part A — Annual Cost of HT Motor Failures — Large Plant, ₹500–3,000 cr turnover — 15–40 HT Motors

- **HT motor failure rate:** 3–6% annual; 25–40% lubricant-attributable — 0.5–2 preventable failures/year per plant.
- **Motor replacement / rewind:** ₹20–50 lakh/year. Most chemical plant HT motors are 0.5–3 MW; compressor and large pump motors at the top end.
- **Re-greasing + monitoring:** ₹4–8 lakh/year. Chemical-exposed bearings often show accelerated seal degradation.
- **Process line downtime:** ₹60 lakh–2 cr/year — the dominant cost. Compressor motor failure halts specific production lines; scrubber fan motor failure triggers consent excursion risk.
- **Total:** ₹80 lakh–2.7 cr/year per plant. A true synthetic non-migrating grease addresses ₹30 lakh–1 cr/year.

Part B — HT Motor Applications

- **Compressor Plant** — process gas compressor motors; refrigeration compressor motors; plant air compressor motors.
- **Main Process Pumps** — reactor feed pump motor; recirculation pump motor; transfer pump motors.
- **Reactor & Utilities** — reactor agitator motor (HT on large reactors); jacket cooling pump motor; condenser cooling water pump motor.
- **Scrubber & Vent Gas** — main acid scrubber fan motor; alkali scrubber fan motor; VOC scrubber fan motor.
- **Drying & Solids Handling** — spray dryer ID fan motor; fluid bed dryer exhaust motor; solids conveying blower motor.
- **Incinerator / Thermal Oxidiser** — incinerator FD fan motor; ID fan motor; RTO booster fan motor.
- **Thermic Fluid Heater** — combustion FD fan motor; ID fan motor; TFH circulation pump motor.
- **Captive Boiler (Coal / Biomass)** — BFP motor; CEP motor; boiler ID / FD fan motors.
- **ETP / ZLD** — aeration blower motor; MEE circulation pump motor; RO high-pressure pump motor.
- **Cooling Tower** — induced-draft fan motor; CW pump motor.

Request a free 90-day plant trial — your reliability data will speak for itself.

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