

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 at Ports and Bulk Terminals

Ports run HT motors on stacker-reclaimers, long-travel gantries, grab unloaders, and bulk handling conveyors. Saline atmosphere plus continuous duty creates an environment where grease-to-winding migration accelerates dramatically — salt vapour penetrates through the same seal paths that grease exits by. SUPERQUIET 100 with marine-grade corrosion additive package addresses both ingress and migration simultaneously.

Part A — Annual Cost of HT Motor Failures — Large Private Port / Terminal — 25–50 HT Motors

- **HT motor failure rate:** 3–7% annual in coastal service; 35–50% lubricant-attributable due to combined heat and saline atmosphere — 1–3 preventable failures/year.
- **Motor replacement / rewind: ₹40–80 lakh/year per terminal.** Stacker-reclaimer and ship unloader motors ₹30–60 lakh; RMG / RTG motors 400–800 kW.
- **Re-greasing + monitoring: ₹8–15 lakh/year.** Coastal sites typically re-grease at shorter intervals on ordinary grease.
- **Terminal productivity loss: ₹1–3 cr/year — the dominant cost.** Stacker-reclaimer or main unloader motor failure halts berth operations; crane-hour cost is ₹5–15 lakh.
- **Total: ₹1.5–4.2 cr/year per terminal.** A true synthetic non-migrating grease with marine-grade additive package addresses ₹50 lakh–1.8 cr/year.

Part B — HT Motor Applications

- **Container Handling — Quayside —** STS drive motors (main hoist, trolley, boom hoist); spreader rotation drive motor.
- **Container Handling — Yard —** RTG hoist and gantry drive motors; RMG main drive motor; reach stacker drive motors.
- **Bulk Grab Unloader —** grab hoist drive motor; boom slew motor; luffing drive motor.
- **Stacker-Reclaimer —** main slew drive motor; long-travel drive motors; bucket wheel drive motor; luffing motor.
- **Ship Loader —** main hoist drive motor; slew motor; boom conveyor drive motor.
- **Bulk Conveyor System —** long-haul conveyor drive motors (HT on conveyors > 1 km); tripper car drive motors; transfer tower drive motors.
- **Silo / Warehouse —** silo loading and discharge drive motors; stacker-crane drive motors.
- **Dry Dock & Shipyard Crane —** Goliath crane long-travel motor; jib crane slew motor; dock gate drive motor.
- **Port Utilities —** cooling water pump motors; firewater pump motor; air compressor motors.
- **Mooring & Tug —** mooring winch drive motor; tug towing winch motor; port firewater system motors.

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