

## SL WR2 WIRETHERM

*India's First and Only Penetrative Synthetic Lubricant for Enhancing Wire Rope Life and Safety*  
**Wire Rope Applications in Offshore Drilling & Oil Services**

Offshore drilling is the highest-value wire rope application anywhere — drawworks ropes handle thousands of tonnes per trip; riser tensioner and crane ropes operate in permanent salt spray; anchor handling ropes face cyclic shock. Failure is catastrophic, regulated, and insured. A penetrative synthetic with marine-grade corrosion inhibition addresses the exact failure mode (saline core corrosion and fretting) that topical grease cannot reach.

### Part A — Annual Cost of Wire Rope Failures (Offshore Rig / Service Vessel Fleet)

- **Rope life:** drawworks and crane ropes in saline service with topical grease typically reach 40–60% of design life on internal salt corrosion.
- **Rope spares: ₹1–2.5 cr/year per rig.** Drawworks ropes ₹15–40 lakh; offshore crane ropes ₹6–20 lakh; riser tensioner ropes ₹10–30 lakh.
- **Change-out + NDT: ₹30–60 lakh/year.** Offshore rope changes require rig time at several lakh rupees per hour.
- **NPT + safety: ₹3–8 cr/year — the dominant cost.** Rope failure on drilling is Category 1; insurance and regulatory consequences compound direct cost.
- **Total: ₹4.3–11 cr/year per rig.** A penetrative marine-grade synthetic extends rope life 2–4× and addresses ₹1.5–5 cr/year per rig. Clean film also improves MRT and visual inspection.

### Part B — Wire Rope Applications

- **Drawworks** — drill line; fast line; dead line; crown block sheave ropes.
- **Derrick & Top Drive** — top drive travel ropes; racking arm ropes; monkeyboard rigging.
- **Riser & Tensioner** — riser tensioner ropes; guideline ropes; tensioner cylinder ropes.
- **Offshore Cranes** — main hoist ropes; auxiliary hoist ropes; whip line ropes; boom suspension ropes.
- **Anchor Handling (AHTS)** — work wire; stern roller ropes; chain handling winch ropes.
- **BOP Handling** — BOP transport crane ropes; BOP carrier skid ropes.
- **Mud & Cement Units** — sack handling crane ropes; bulk tank skid ropes.
- **Subsea Intervention** — ROV handling A-frame ropes; subsea tool deployment ropes.
- **Helideck & Safety** — helideck net ropes; lifeboat davit ropes; FRC davit ropes.
- **Utility & Deck** — deck crane ropes; container handling ropes; rig move rigging ropes.

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

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