THE STANVAC MECHANICAL ADVANTAGE

52

MAINTENANCE PROBLEMS

WITH INDIA’S BEST SOLUTIONS

WHY BUY?

THE TECHNOLOGY DIFFERENCE. YOUR UNIQUE GAIN.

PIPELINE CORROSION CAUSES LEAKS, REPEATED REPAINTING AND UNPLANNED SHUTDOWNS.

01 ANTI-CORROSION PROTECTION

Protect steel and equipment against corrosion, chemicals and erosion.

RUST LEFT IN PITS MAKES PAINT PEEL OFF, ALLOWING UNCHECKED RUSTING.

1A Z704 RUSTEX-NMB TRIARMOR Rust Converter

Applications. Rusted pipelines, tanks and steelwork before protective coating; maximum 70°C.

Technology. TRIARMOR converts rust in prepared pits, including rust beneath salt/acid traces after washing. NMB bonds converted steel to the topcoat.

Customer gain. Stronger grip and longer coating life. With the complete system, reduce external-corrosion leak risk and repeat repainting costs.

SLOW-DRYING ENAMEL PAINTS TRAP DUST AND GIVE SHORT-LIVED PROTECTION, FORCING FREQUENT REPAINTING IN DUSTY PLANT AREAS.

01 2050 Polyhyb SHP

Applications. Plant steelwork, machinery and concrete in C1-C3 environments, including dusty areas.

Technology. Hybrid co-polymer with SHP dust and water repellency; 500+ hours salt-spray resistance.

Customer gain. Apply without a separate hardener. Retain gloss and repel dust and water.

PAINT PEELS AND RUST RETURNS NEAR COOLING TOWERS, ON FIRE-HYDRANT LINES, TANKS AND STEELWORK IN OTHER WET OR DAMP AREAS.

02 1040 TST & NMB + 727 SHP

Applications. Cooling towers, tanks, pipelines and galvanised steel in wet, coastal and industrial areas.

Technology. Low-surface-tension epoxy-PU with wet and rust tolerance; 2,000+ hours salt spray and 1,200+ psi adhesion on ST-2 steel.

Customer gain. Protect difficult-to-prepare steel. Strong primer adhesion and a repellent finish help reduce repeat maintenance.

ACID FUMES AND SPLASHES CAUSE PAINT TO PEEL. PIPES AND EQUIPMENT CORRODE, WEAKEN AND CAN LEAK OR BREAK.

03

1040 TST & NMB + 718 EGF + 727 SHP

Applications. Acid-fume areas, gypsum plants, paper mills, acid bunds and C5 marine steelwork.

Technology. MIO, glass-flake novolac and PU layers; 3,000+ hours salt spray; six-month immersion performance in 98% H_2SO_4 and 33% HCl.

Customer gain. Protect steel in aggressive chemical service and reduce recurring corrosion maintenance.

UNEVEN HEATING DURING CURING CAN MAKE CONVENTIONAL HEAT-CURING PAINTS PEEL, LEAVING CHIMNEYS, MANIFOLDS AND OTHER HOT EQUIPMENT EXPOSED TO UNCHECKED RUST.

04

ES 70 2K

Applications. DG exhaust chimneys, manifolds, furnaces, heat exchangers and pre-heaters.

Technology. 2K, ambient-curing silicone co-polymer with air-filled ceramic microspheres; no post-heating; service temperatures up to 600°C.

Customer gain. Reduce radiant heat loss while protecting hot equipment surfaces against corrosion.

EROSION WEARS AWAY PUMP CASINGS AND PIPE ELBOWS, REDUCING PERFORMANCE AND FORCING REPEATED REPAIRS.

05

1190 Stangard + 731 ER Xtream (Nano)

Applications. Pump casings, chutes, elbows, cyclones and material-handling or crushing equipment.

Technology. 731: fibre-reinforced ceramic-zirconium NMB rebuilding putty. 1190: brushable ceramic nano-particle topcoat.

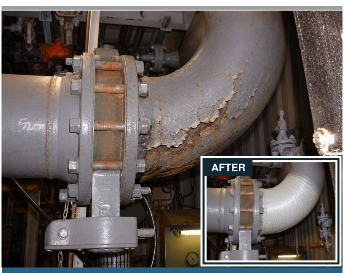
Customer gain. Recover worn surfaces and extend component life under erosion and fine-particle abrasion.

3. Confirm chemical concentration and temperature before specifying immersion service.
Steel coating systems. Use Z704 RUSTEX conversion where specified before the selected primer and topcoat. See 1A. ES 70 2K follows its own preparation specification.

02

COLD REPAIRS & METAL REBUILDING

Restore damaged metal and pipework at the point of repair.



CORRODED PIPES WEAKEN AND START LEAKING. CUTTING OUT AND REPLACING THEM CAN MEAN A COSTLY SHUTDOWN.

06

944 Synthoglass Wrap

Applications. Suitable cracked, leaking or corroded pipes; also tankage and floating roofs.

Technology. Pipe-strengthening wrap with a separate PU activator; can be applied to wet surfaces. Supplied in three sizes for different repair areas.

Customer gain. Reinforce suitable damaged pipework in place. Keep a repair option ready for unexpected damage.

A CRACKED CASING CAN STOP THE MACHINE. A HIGH-STRENGTH REPAIR IS NEEDED IMMEDIATELY.

07

Z801 Faststeel Epoxy Stick

Applications. Cracked steel casings and emergency metal repairs around the plant.

Technology. Fast-setting NMB polymer supplied as a hand-mixable epoxy stick; no separate measuring or mixing tools.

Customer gain. Repair damaged metal at the point of need. No separate measuring or mixing tools.

LEAKS ON WET OR SUBMERGED SURFACES NEED REPAIR, BUT WAITING FOR THE AREA TO DRY DELAYS THE JOB.

08

Z805 Aquamend Epoxy Stick

Applications. Wet pipes; damp or submerged metal, concrete, glass and most plastics.

Technology. Hand-mixable NMB speciality epoxy putty that can be applied underwater, in fresh or salt water.

Customer gain. Start suitable repairs without waiting for the surface to dry.

GENERAL-PURPOSE EPOXY REPAIRS CAN BE SHORT-LIVED. A PROPERLY BONDED OVERLAY OF FAST-SETTING, STEEL-FILLED PASTE CAN PROVIDE YEARS OF REPAIR LIFE.

09

Z711(P) Quicksteel Epoxy Putty NMB

Applications. Metal overlaying, leak sealing, cracks and holes, including underwater repairs.

Technology. 1:1 steel-filled epoxy paste; sets in 5 minutes, cures in 1 hour; temperature resistance to 260°C.

Customer gain. Fill defects quickly with a paste that enters cracks and supports rapid overlaying.

PITTING AND WEAR DAMAGE METAL PARTS. REPLACING THE COMPLETE COMPONENT COSTS TIME AND MONEY.

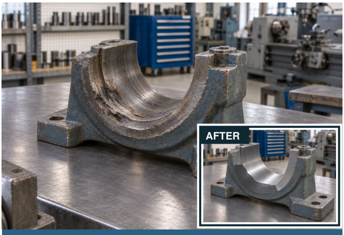
10

815 Stangard Steel Putty (SPL) - NMB

Applications. Pipes, castings, supports, valves, flanges, impellers, tank pontoons and roofs.

Technology. Steel-alloy-filled rebuilding putty with impact resistance and machinability; temperature resistance to 250°C.

Customer gain. Restore surfaces lost to wear or corrosion, then machine the repair to the required profile.



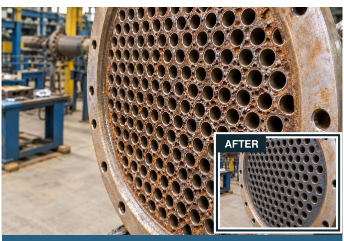
WORN BEARING HOUSINGS AND KEYWAYS LOSE THEIR FIT, CAUSING VIBRATION, FURTHER WEAR AND BREAKDOWNS.

11 Z730 Steelweld (A + B)

Applications. Bearing housings, keyways, shafts, machine beds and hot pipelines needing dimensional repair.

Technology. Two-part, high-temperature rebuilding putty; the cured repair can be ground, tapped and drilled.

Customer gain. Recover component dimensions with a machinable repair built to withstand severe temperature changes.



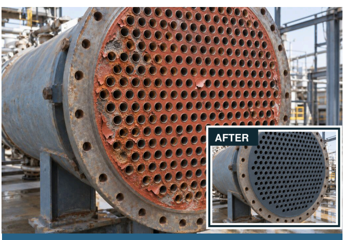
DEEP PITS IN HEAT-EXCHANGER TUBE SHEETS RAISE LEAK RISKS AND CAN FORCE COSTLY SHUTDOWNS.

12 1170 Stangard Ceramic-Metal Rebuild Putty - NMB

Applications. Condenser and heat-exchanger tube sheets, water boxes and pump internals.

Technology. ~~Silicon-steel alloy~~ matrix with NMB adhesion to ST 2/ST 3 hand-cleaned steel; resists cavitation, erosion and corrosion.

Customer gain. Restore damaged surfaces in place. Finish with 1180 for exchangers or 1190 for high-flow pumps.



REBUILT PUMP AND HEAT-EXCHANGER SURFACES CAN ERODE AND CORRODE AGAIN, FORCING REPEAT REPAIRS.

13 1180 NMB Ceramic Coat

Applications. Heat-exchanger tube sheets, pumps, tanks, vessels and gas scrubbers.

Technology. Ceramic overcoat for 1170 rebuilds, resisting erosion, corrosion, impingement, cavitation and bi-metallic attack.

Customer gain. Protect rebuilt surfaces from further erosion and corrosion, helping keep repaired equipment in service.

6. For pressure or load-bearing repairs, specify the repair design and limits for the actual damage and service.
10. Z824 glass-fibre tape is the companion reinforcement for Z711(P) and 815 SPL; assess load-bearing repairs for the service conditions.
11. Confirm the temperature rating for the specific operating conditions.

03 MAINTENANCE AEROSOLS

Free, clean, lubricate and protect maintenance components.

HEAVILY RUSTED NUTS AND BOLTS SEIZE, MAKING DISMANTLING SLOW AND EXTENDING SHUTDOWN TIME.

14 #6030 Pen Oil

Applications. Severely rusted nuts, bolts, threads and seized plant assemblies.

Technology. Heavy-duty penetrant migrates into tight gaps and threads; U.S. Fed. Spec. VV-P-216a.

Customer gain. Release stubborn fasteners with less dismantling time and labour.

HARDENED GASKETS STICK TO FLANGES. HEAVY SCRAPING DELAYS MAINTENANCE AND CAN DAMAGE SEALING FACES.

15 #Z914 Tough Clean

Applications. Bonded flange gaskets, paint and carbon deposits on cylinder heads, valves and metal parts.

Technology. Fast-action, non-drip stripper loosens adhered deposits and coatings for removal.

Customer gain. Remove stubborn deposits faster while preserving the metal surface for reassembly.

OLD GREASE STAYS TRAPPED INSIDE BEARINGS. INCOMPLETE CLEANING LEAVES CONTAMINATION THAT SPEEDS UP WEAR.

16 #Z939 Bearing Solvent NF

Applications. Precision bearings with old grease and deposits in hard-to-reach areas.

Technology. Penetrative degreasing solvent with a directed pencil jet; CO_2-propelled aerosol targets intricate bearing surfaces.

Customer gain. Clean accessible bearings in place before relubrication. Reduce avoidable dismantling.

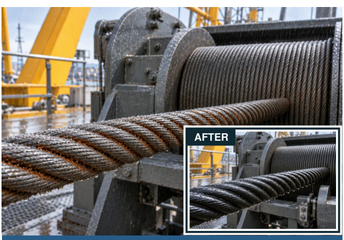
DRIED GREASE AND OIL BUILD UP ON CHAINS AND SPROCKETS, MAKING CLEANING SLOW AND DIFFICULT.

17 #8485 HD Cleaner & Degreaser

Applications. Chains, sprockets and parts carrying thick, dried oil or lubricant deposits.

Technology. Citrus d-limonene degreaser with high-flow wetting, 97% actives and a 360° spray; CO_2 propellant.

Customer gain. Reach awkward areas and remove accumulated lubricant during in-place maintenance.



RAIN AND WASHDOWN EXPOSE WIRE ROPES AND OPEN GEARS TO RUST AND WEAR. FAST SEALING AGAINST MOISTURE AND EASY SPRAY TOUCH-UP ARE NEEDED.

18 #7045 HD Open Gear & Wire-Rope Lube

Applications. Open gears and wire ropes exposed to weather or repeated washdown.

Technology. Foaming lubricant penetrates gaps, then forms a pliable, high-tack film; fortified with moly and graphite.

Customer gain. Retain lubrication in wet service and protect wire gaps as well as the rope exterior.

CHAIN LUBRICANT WASHES OFF OR FLIES OFF. DRY CHAINS WEAR AND JAM, STOPPING MACHINERY.

19 #90451 Adhesive Chain Lube

Applications. Roller chains and slideways in wet, steamy or dusty plant areas.

Technology. Adhesive lubricant protects internal and external contact surfaces; strong film retention resists throw-off at speed, water and steam.

Customer gain. Keep lubricant on working parts to reduce jamming and support smoother movement.

20 #6013 Formula 101 Corrosion Suppressant

SPARES AND EQUIPMENT RUST IN STORAGE OR TRANSIT, LEAVING COSTLY ASSETS UNFIT WHEN URGENTLY NEEDED.

Applications. Stored gears, dies, machinery spares, export shipments and marine installations.

Technology. Penetrative, low-surface-tension waxy coating with a self-repairing film; solvent-removable. Salt-spray performance: 1,000 hours.

Customer gain. Protect valuable stored spares. Remove the waxy film with solvent when the part is needed.

21 #6080 Dry Moly Spray

SHAFTS AND HUBS CAN SEIZE OR SCORE DURING ASSEMBLY AND INITIAL RUNNING, CAUSING DAMAGE AND REWORK.

Applications. Shafts, mating hubs, gasket faces and components assembled or operated in dusty areas.

Technology. Quick-drying, adherent moly film provides dry lubrication to 100,000 psi over -100°F to +700°F; dielectric.

Customer gain. Reduce galling during assembly and run-in. Help prevent gasket seizure at the next maintenance opening.

22 #6007 Rust Inhibitor

STORED PRECISION SPARES AND BEARINGS CAN RUST BEFORE USE, LEAVING NO SERVICEABLE REPLACEMENT WHEN A MACHINE BREAKS DOWN.

Applications. Bearings and precision spares held in indoor storage.

Technology. Fortified lanolin forms a corrosion barrier and absorbs five times its weight in water; compatible lubricants apply over it.

Customer gain. Apply compatible lubricant over the storage film and avoid a separate removal step.

20. Protection period depends on exposure and application.
22. Storage protection depends on conditions and application.

04 CONCRETE REPAIR & PROTECTION

Repair damaged concrete, protect surfaces and keep joints sealed.

23 750 Stanfloor

POTHOLES SLOW FORKLIFTS AND TROLLEYS. SLOW-SETTING REPAIRS KEEP BUSY PLANT ROUTES CLOSED.

Applications. Industrial floor potholes, damaged edges and machine foundations.

Technology. Moisture-tolerant epoxy with special fillers; 50 MPa compressive strength and strong adhesion to existing concrete.

Customer gain. Fit suitable floor repairs into the shift gap to limit production disruption.

24 751 Stanfloor

DAMAGED MACHINE PLINTHS NEED REBUILDING, BUT SLOW-SETTING REPAIR MATERIALS DELAY MACHINE RESTART.

Applications. Damaged machinery foundations, plinths and concrete edges; also floor and vertical repairs.

Technology. Fast-setting, three-component, 100% solids, moisture-tolerant epoxy with special fillers. Strong adhesion to existing concrete; helps limit slumping in vertical repairs.

Customer gain. Rebuild damaged foundations and plinth edges. For floor repairs, trafficable in under one hour under specified conditions.*

25A 754 Stangard Sealer

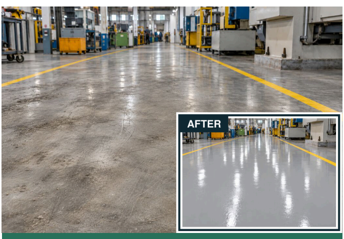
CONCRETE FLOORS KEEP SHEDDING DUST AND ABSORBING OIL AND WATER, INCREASING WEAR AND CLEANING WORK.

Applications. Existing concrete floors needing less dusting and lower water and oil absorption.

Technology. Oil- and moisture-tolerant penetrating sealer enters capillary pores, helping densify the concrete surface.

Customer gain. Reduce liquid uptake and dusting. Add the specified 727 topcoat for a finish that is easier to clean.

25B 727 Stangard HP - PLPU SHP



DUST AND GRIME CLING TO FLOORS, LEAVING DULL SURFACES THAT NEED REPEATED SCRUBBING.

Applications. 754-sealed concrete needing a glossy finish and easier cleaning.

Technology. Polyester-polyurethane topcoat with superhydrophobic properties; repels dust and water, with UV tolerance and gloss retention.

Customer gain. Keep sealed floors easier to clean. Recoat when needed to refresh the protective finish.

26 Stangard 753

BEFORE
AFTER 753
AFTER

WATER SEEPS INTO RCC WALLS AND COLUMNS. DAMP PATCHES AND ALGAE KEEP RETURNING AFTER CLEANING AND PAINTING.

Applications. Exposed RCC walls, columns, beams and tanks affected by moisture or recurring algae.

Technology. Penetrating, densifying coating provides anti-carbonation and anti-algae protection within the specified concrete-preservation system.

Customer gain. Protect cleaned and repaired concrete against water ingress and recurring algae. Reduce repeat surface maintenance.

27 1311 Stangard Corrokote (FLX)

RIGID REPAIRS CRACK AS EXPANSION JOINTS MOVE, ALLOWING WATER TO SEEP IN AGAIN.

Applications. Specified concrete coatings, aggregate-filled joints and metal-roof sealing systems.

Technology. 100% solids flexible epoxy forms a rubber-like, high-gloss finish. For coating applications: 360-400 microns in two coats.

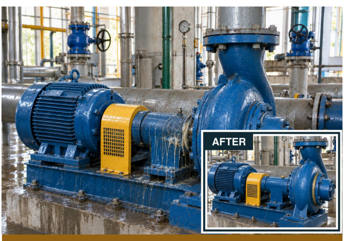
Customer gain. Seal specified joint details against water entry while accommodating movement within the designed limits.

23. Traffic time depends on temperature, preparation, repair thickness and intended load.
24. Under-one-hour return applies to floor traffic. Structural repairs require an approved design and load release.
25A. Clean and repair first; confirm adhesion and suitability for the actual traffic.
25B. Confirm adhesion and finish suitability for the actual traffic.

26. Remove algae and weak material; clean and repair before coating.
27. Select details for expected movement; use 7170 and outdoor UV protection where specified. Full cure: 7 days at 25°C.

05 LUBRICATION & SEALING

Protect bearings, ropes, seals and joints in demanding service.



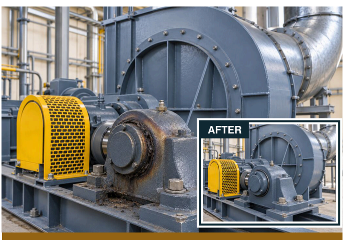
WATER WASHES GREASE OUT OF PUMP BEARINGS, ACCELERATING WEAR AND CAUSING PREMATURE BEARING FAILURES.

28 SL WPG Aquatherm

Applications. Cooling-tower pumps, raw-water pumps and bearings regularly exposed to water.

Technology. 100% synthetic, polymer-reinforced, non-melting grease resists water washout; rated to 230 °C.

Customer gain. Retain lubrication when water enters. Reduce repeated greasing and help extend bearing life.



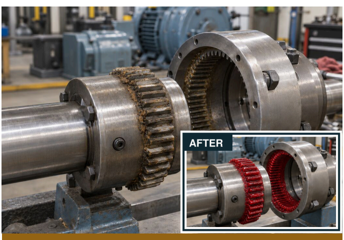
HEAT AND SHOCK LOADS CAN WEAR OUT ID/FD FAN BEARINGS DESPITE FREQUENT GREASING.

29 Synthox HT

Applications. ID/FD fans, blowers and exhaust-fan bearings at high temperatures.

Technology. 100% synthetic grease with micronised molybdenum disulphide (MoS_2); rated to 200 °C and 2,500 rpm.

Customer gain. Protect bearings under shock loads and extend greasing intervals, reducing routine lubrication work.



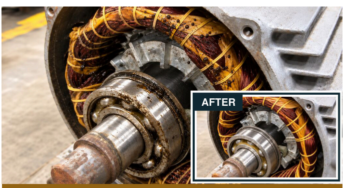
COUPLING GREASE CAN MELT, LEAK OUT OR DRY OUT, LEAVING GEAR TEETH UNPROTECTED AGAINST WEAR.

30 SL 123R Unitherm

Applications. Gear couplings, billet feeders, planetary mixers, sugar-mill fibrizers and mining machinery.

Technology. 100% synthetic grease resists leakage, shock loads and extreme pressure; rated to 250 °C and 2,000 rpm.

Customer gain. Retain grease under demanding loads. Reduce consumption and replenishment frequency.



MOTOR-BEARING GREASE CAN LEAK OR BE THROWN OFF, CAUSING BEARING WEAR, WINDING CONTAMINATION AND COSTLY REWINDING.

31 Superquiet 100

Applications. HT motor bearings in ETP plants, heavy machinery and hot, wet operating areas.

Technology. 100% synthetic, PTFE-fortified motor grease resists melting and migration; rated to 180 °C and 3,000 rpm.

Customer gain. Reduce winding contamination and the risk of grease-related motor rewinding.

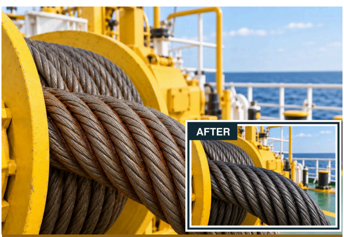
CRANE ROPES MAY LOOK GREASED OUTSIDE WHILE HIDDEN INNER STRANDS RUST AND WEAR, INCREASING THE RISK OF SNAPPING.

32 SL WR2 Wiretherm

Applications. Crane wire ropes exposed to internal rust and wear during repeated operation.

Technology. 100% synthetic, bitumen-free lubricant penetrates to the wire core and remains soft; rated to 200 °C.

Customer gain. Lubricate internal strands and the rope exterior to help extend service life.



DRY INNER STRANDS IN WINCH ROPES RUST AND RUB TOGETHER, WEAKENING ROPES AND FORCING EARLY REPLACEMENT.

33 70202 Super Wire Rope

Applications. Winch ropes and wire-rope duties suited to a mineral-oil lubricant.

Technology. Fast-wetting, mineral-based, bitumen-free lubricant penetrates the wire core; fortified with molybdenum disulphide (MoS_2), rated to 150 °C.

Customer gain. Protect against hidden internal rust with economical routine rope lubrication.

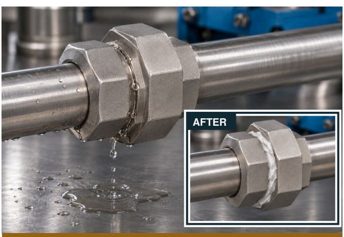
HEAT, STEAM AND CHEMICALS CAN DAMAGE PUMP O-RINGS AND RUBBER SEALS, CAUSING LEAKS AND REPEATED REPLACEMENTS.

34 Siltec HD

Applications. Pump O-rings, gaskets and compatible rubber seals exposed to water, steam or chemicals.

Technology. 100% synthetic, non-melting rubber preservative resists water, steam and chemical exposure; rated to 205 °C.

Customer gain. Extend seal life and reduce maintenance interruptions caused by seal deterioration.



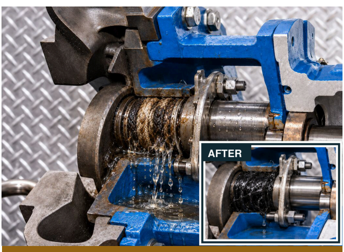
POORLY SEALED THREADED PIPE JOINTS LEAK, WASTING FLUID AND FORCING REPEATED DISMANTLING AND RESEALING.

35 Teflox HD

Applications. Threaded pipe joints, flange seals and gasket interfaces in mechanical equipment.

Technology. Micro-refined PTFE in a non-melting base provides thread sealing and gasket parting; rated to 345 °C.

Customer gain. Reduce assembled-joint leakage and provide a gasket parting layer for maintenance.



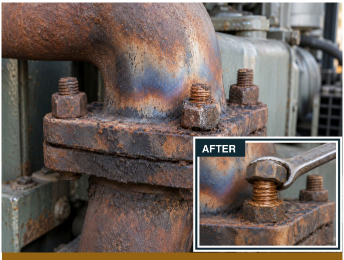
EXCESSIVE GLAND LEAKAGE AND SHAFT WEAR CAN LEAD TO PUMP FAILURES AND REPEATED SHUTDOWNS.

36 Glandex EP

Applications. Existing pump gland packing exposed to high loads, leakage and shaft wear.

Technology. High-load dressing paste applies over existing packing; free of heavy metals and sulphur, rated to 400 °C.

Customer gain. Treat existing gland packing without dismantling the assembly just to apply the dressing.



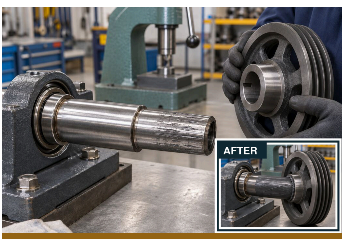
BOLTS ON FURNACES, OVENS AND EXHAUST MANIFOLDS SEIZE IN THE HEAT AND MAY NEED CUTTING OFF DURING MAINTENANCE.

37 Protec Cu-HT

Applications. Hot-service bolts, studs and threaded fittings opened during shutdowns.

Technology. Non-melting moly-copper anti-seize resists galling, seizure and rust; rated from -54 °C to +1,200 °C.

Customer gain. Release fasteners more easily at shutdown. Reduce delays caused by seized threads.



PRESS-FIT SHAFTS, HUBS AND BEARINGS CAN SEIZE OR SCORE DURING ASSEMBLY, DAMAGING COSTLY COMPONENTS.

38 Molytec EP

Applications. Press-fit shafts, hubs, bearings and wheels; loaded slideways and moving joints.

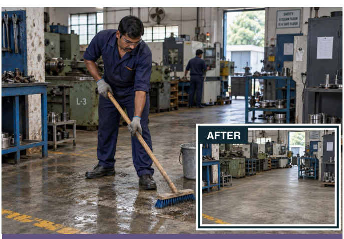
Technology. Moly-graphite assembly paste provides high load capacity and protection against fretting and cold welding; rated to 450 °C.

Customer gain. Support smoother assembly and movement. Reduce galling, stick-slip and component damage.

34. Also available: #8035 RC Rubber Care.

06 CLEANERS & SURFACE PREPARATION

Remove deposits and prepare equipment for its next service cycle.



OIL AND GREASE MAKE FACTORY FLOORS SLIPPERY AND LEAVE MACHINERY COVERED IN STUBBORN, HARD-TO-CLEAN GRIME.

39 #Z101 Alpha 3

Applications. Industrial floors, epoxy flooring, machinery and manufactured parts.

Technology. Heavy-duty aqueous cleaner, neutral in use. Dilute 1:100 for light soils, 1:30 for medium and 1:5 for heavy soils.

Customer gain. Match dilution to the dirt load. Simplify routine cleaning and concentrate stocking.

FRESHLY DEGREASED STEEL CAN RUST BEFORE THE NEXT OPERATION, FORCING REPEAT CLEANING AND DELAYING PRODUCTION.

40 #Z101(A) Alpha 5

Applications. Steel and iron parts, machinery and washable ferrous surfaces.

Technology. Near-neutral, rust-inhibited aqueous cleaner leaves a dry, transparent film for short-term corrosion protection.

Customer gain. Degrease and temporarily protect freshly cleaned parts before the next operation.

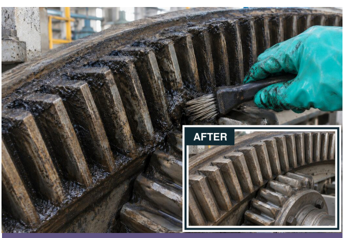
DIRTY AC COILS REDUCE COOLING; HARSH CLEANERS CAN DAMAGE ALUMINIUM FINS AND PAINTED SURFACES.

41 #Z102 Cleanaire 1200

Applications. AC coils, aluminium fins, painted machinery and compatible washable plastics.

Technology. Inhibited, high-foaming aqueous cleaner; free-rinsing, without butyl, phosphate or caustic.

Customer gain. Clean at high dilution while helping preserve sensitive metals and painted finishes.



HARDENED GREASE AND TAR ON OPEN GEARS ARE SLOW TO REMOVE, DELAYING CLEANING AND FRESH LUBRICATION.

42 #Z109 Neugenic 4175

Applications. Open gears and heavy machinery with solidified grease, cardium compound, tar or asphalt.

Technology. Non-petroleum, semi-aqueous cleaner; use concentrated for heavy deposits or dilute up to 1:30 for light soils.

Customer gain. Loosen tenacious deposits so gear teeth can be cleaned thoroughly before relubrication.

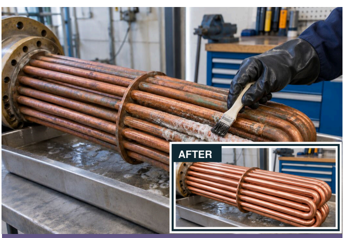
RUST ON SPARES AND MACHINERY TAKES TIME TO SCRAPE OFF, DELAYING REUSE OR REPAINTING.

43A #Z111 AC-500 Gel Grade

Applications. Rusted spares, machinery bodies and rust-stained metal, concrete or tile.

Technology. Phosphoric-acid gel. Apply, allow 10-60 minutes, then wash off. Water-dilutable dip grade also available.

Customer gain. Treat bulky parts and equipment bodies that cannot be placed in a dip tank.



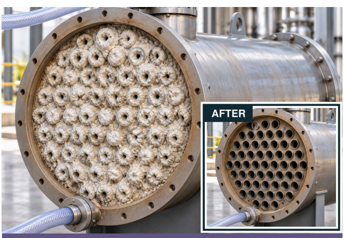
SCALE ON COPPER TUBES REDUCES HEAT TRANSFER; UNSUITABLE ACID CLEANERS CAN DAMAGE THE METAL.

44 #Z112 Acidifoam

Applications. Scale and rust on compatible copper tubes and aluminium equipment.

Technology. Complexed hydrochloric-acid cleaner designed for rapid scale removal, with a free-rinsing, phosphate-free formulation.

Customer gain. Remove scale quickly, rinse clean and avoid added phosphate from the cleaner.



SCALE INSIDE HEAT EXCHANGERS REDUCES HEAT TRANSFER AND WASTES ENERGY; DISMANTLING FOR CLEANING ADDS SHUTDOWN TIME.

45 #Z118 EQC-10

Applications. Heat exchangers, condensers, cooling jackets and heavy-engine radiators.

Technology. Non-flammable, non-fuming liquid acid cleaner removes heavy scale and rust by circulation through compatible equipment.

Customer gain. Clean internal passages in place where the equipment and cleaning circuit permit.

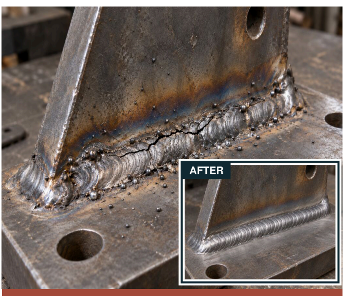
42. Agitate diluted solutions continuously.

07

LOW-HEAT REPAIR WELDING

Repair worn and damaged components with purpose-matched electrodes.

46 Super Stanalloy ST 22



REPAIR WELDING ON RUSTY, DIRTY MILD STEEL CAN CAUSE POROSITY AND DEFECTS, LEAVING WEAK WELDS THAT CRACK AGAIN. A CONTAMINATION-TOLERANT, CRACK-RESISTANT REPAIR ROD IS NEEDED.

Applications. Mild-steel and carbon-steel brackets, parts and general maintenance repairs.

Technology. Ultra-low-hydrogen, all-position electrode with a smooth arc and self-lifting slag.

Customer gain. Porosity-resistant welding on rusty, dirty mild steel, with ultra-low-hydrogen deposits for stronger repairs and reduced cracking risk.

47 Super Stanalloy EM 35

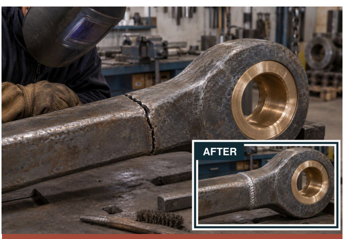
HIGHLY STRESSED CRUSHER LINERS AND MANGANESE-STEEL PARTS ON EXCAVATION AND EARTHMOVING MACHINERY NEED A CRACK-RESISTANT REPAIR ROD THAT WITHSTANDS REPEATED HEAVY IMPACT.

Applications. Crusher liners, manganese-steel parts and manganese-to-carbon-steel joints.

Technology. Repair electrode producing strong, ductile weld deposits with out-of-position welding capability.

Customer gain. Tough, ductile repair welds for high-impact manganese-steel parts and manganese-to-carbon-steel joints, helping resist cracking under severe service stresses.

48 Super Stanalloy DS 34



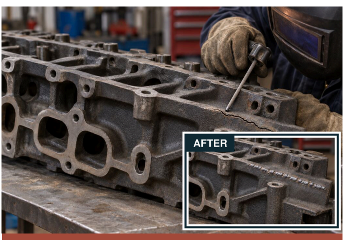
DIES, FORGINGS, CAST STEELS AND UNKNOWN OR DISSIMILAR STEELS ARE DIFFICULT TO REPAIR. A ROD IS NEEDED THAT RESISTS CRACKING DURING WELDING AND LATER IN SERVICE.

Applications. Dissimilar, die, forged and cast steels under an approved repair procedure.

Technology. Ferrite-balanced electrode designed for tough, crack-resistant deposits on steels prone to heat-affected-zone cracking.

Customer gain. Tough, crack-resistant repairs of difficult, dissimilar and unidentified steels. Contamination-resistant deposits help reduce weld defects and repeat repairs.

49 Super Stanalloy FN 62



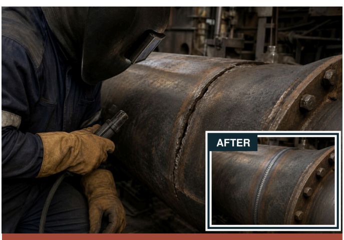
OLD, DIRTY CAST-IRON CYLINDER HEADS, HOUSINGS AND CASTINGS NEED CRACK-RESISTANT REPAIRS WITHOUT PREHEATING. OIL AND GREASE CONTAMINATION MAKE THE JOB MORE DIFFICULT.

Applications. Cast-iron cylinder heads, housings, and heavy or thin castings.

Technology. Innovative core-wire design, low-amperage contact welding and machinable deposits support repairs without preheating.

Customer gain. Crack-resistant, machinable repairs on old cast iron without preheating, with oil and grease tolerance. Reduce repair delay using the specified cold-repair procedure.

50 Super Stanalloy TC 42



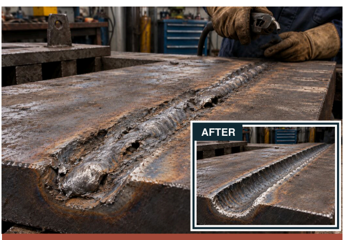
EMERGENCY REPAIRS ON OLD, DIRTY OR UNKNOWN FERROUS PARTS NEED SOUND WELDS THAT RESIST CRACKING. THE ROD MUST HANDLE UNKNOWN METAL COMBINATIONS, HEAT SHOCKS AND REPEATED HEATING AND COOLING.

Applications. Ferrous-metal repairs exposed to high temperatures or thermal cycling.

Technology. Versatile repair electrode with niobium-bearing alloy deposits designed for strength, ductility and corrosion resistance.

Customer gain. Strong, crack-resistant emergency repairs of unknown or dissimilar ferrous metals, with resistance to high temperatures and thermal cycling. Avoid repeat failures and repair downtime.

51 Super Stan Gouge



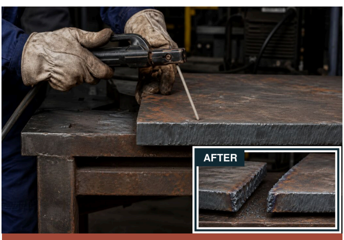
GRINDING OUT DAMAGED METAL AND OLD WELDS DELAYS REPAIR WELDING AND ADDS LABOUR.

Applications. Weld-groove preparation and removal of defective metal before repair welding.

Technology. High-arc-force gouging electrode designed for low-amperage use, controlled U-groove formation and rapid metal removal.

Customer gain. Reduce preparation and cleaning work before rewelding, using conventional welding equipment.

52 Super Stan Cut



URGENT CUTTING JOBS STALL WHILE GAS CYLINDERS AND A SEPARATE CUTTING SET ARE ARRANGED.

Applications. Maintenance cutting suited to the material, access and required finish.

Technology. Exothermic coating and concentrated arc support cutting at low amperage with a limited heat-affected zone.

Customer gain. Use an available welding set for suitable cutting jobs. Avoid a separate gas-cutting setup.

49. No-preheat repair requires the specified cold-repair procedure and a suitable casting.
52. Apply site hot-work controls.

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