

Standard Repair Work Scope – Machinery

Item	May Include
Pick up item from KNR store	The use of a courier
Pre strip inspection <ul style="list-style-type: none"> • Record why was equipment removed from site • Record evidence that leads to a failure root cause 	Photo's for history, set-up etc.
Sandblast/clean	Detergents/chemicals etc.
Strip/inspect/dimension check	Record dimensions. Impeller sizes
Written quote/inspection summary	Repair time, parts required etc. <ul style="list-style-type: none"> • Bearings, seals, sleeves, • Standard wear parts. • "o" rings, gaskets, gland • components, m/seals and • nuts/bolts etc.
Standard accessories	Grease nipples, breathers, oil glasses etc.
Minor machining	Clean up threads. Polish shafts.
Assembly	QA inspections/checks
Lubrication	Grease and oils
Painting	KNR specs. Coating System PCS09. Shamrock Brilliant Green. AS2700. G23.
Testing	Pressure test. Test runs. (Test report).
Tagging	S/S ID Tag... Mach No, Job No & Date.
Final inspection. <ul style="list-style-type: none"> • Ensure correct set up/configuration. Same as the received photos unless otherwise agreed with KNR 	QA manager
Return to KNR <ul style="list-style-type: none"> • In a manner to prevent damage 	Use of a Courier
Repair report <ul style="list-style-type: none"> • Include repairs carried out, compromises to quality (parts reused etc.), root cause of failures/repair. Improvements, warranty, expected service life of equipment after repair, any specific installation / commissioning requirements. 	Photographs. Test certificates etc

Extra:

Item	May Include
Major parts	Impellers, Shafts, Gears etc
Welding	Eg. Weld repair a Pump Casing
Major machining	Bore and key new Couplings. Manufacture new Shafts, Bushes etc. Materials.
Balancing (G2.5)	Pump Shaft. Rotating Elements. Note: Excludes Fan Assemblies.
Rewind Motors	Stators and/or Rotors
Surface Protection	Ceramic, Epigen. Etc.
Integrity checks	Dye-Pen, Specialty services. (Xray)

Note: No work to proceed unless authorised by KNR.
KNR uses BP Lubricants and SKF Bearings.

Nick Palmer
OFF SITE REPAIRS COORDINATOR