

MANTAKRAF LONG TRAVEL GEARBOXES OVERHAULING

1. The Scope of Work

1.1. Gearbox overhauling

- 1.1.1. Strip the shafts for purpose of replacing all seals.
- 1.1.2. Replace all bearings.
- 1.1.3. Replace all seals and gaskets.
- 1.1.4. Replace worn-out input shafts.
- 1.1.5. Replace first gear assembly.
- 1.1.6. Dress all components to be used.
- 1.1.7. Replace keys, fasteners, plugs, and sight glass.
- 1.1.8. Perform crack detection testing (NDT) on casing, shafts, and gears to be re-used.
- 1.1.9. Line bore housing and repair all shaft seal journals.
- 1.1.10. Repair worn input and output shafts.
- 1.1.11. Fill unit with the test oil and test run gearbox on test bench rig verified by TPT personnel.
- 1.1.12. Blast prime paint gearbox to TPT specifications.
- 1.1.13. Provide full detailed report of replaced parts.
- 1.1.14. Use OEM or SABS parts.
- 1.1.15. Replace breather
- 1.1.16. Deliver all replaced parts to TPT.

All works shall be as per existing, and all dimensions shall be confirmed onsite

2. General Service

- 2.2.1 All Structural components must be fully painted according to Transnet specification
- 2.2.2 All fasteners on the repaired portion must be HT and hot dip galvanized.

NB. Any deviation from this scope should be authorized by TPT management before work can be carried out.

3. Specifications

Quality Management Specification for supplier	EEAM-Q-009 (Rev. 0)
Corrosion Protection	EEAM-Q-008 (HE9-2-8 Ver. 17)