

MILLION -AIR SERVICES CARLETONVILLE (PTY)LTD

Refrigeration & Air Conditioning Reg. 2003/004568/07

Specialising in HVAC

**Industrial and Commercial
Refrigeration**

**Centrifugal and Screw
Compressors**

Ammonia Systems

Million-Air Services commenced trading in April 1996 in the Kwa Zulu Natal region

There are now Branches in Kwa Zulu Natal, Cape Town, Johannesburg and Carletonville

We service the following sectors in the industry:

Mine refrigeration, Hospital refrigeration and air-conditioning, Pharmaceutical Air-Conditioning and Air Purification, Gas compression and Liquefaction Plants, Oil Refinery Refrigeration plants, Marine Refrigeration repair and services, Factory process control, Beverage and Food industry.

Million-Air Services has a very high level of customer satisfaction and retention. We offer competent, skilful and dedicated teams who adhere to the highest levels of quality workmanship and standards.

Refrigeration, HVAC Services Offered

Specialized Maintenance contracts to all plant:

These are tailored to suit each Customers needs and requirements

Compressor Rebuilding: We are able to repair most Compressor makes, covering:

Reciprocating, Single/Multi stage, Screw and Heavy Duty Industrial Multistage Compressors

Ammonia Refrigeration: All Aspects of NH₃ R717 addressed

Analysing of: Oils, Refrigerants, Material, Failure Investigations, Vibration, Metallurgy and conditions for Heat Treatment

Non-Destructive Testing and Repairs to Vessels:

Eddy-Current Testing and Analysis for Tube Evaluation, De-Tube/Re-Tube Water box Evaluation and an Effective System for Cleaning Tubes(High pressure tube cleaning)

Local Manufacture: of most Spare Parts. This is Cost Effective with a reduced Lead-Time

Speciality Tools and Equipment for Field Analysis : Inoperative/Malfunctioning Components can be Identified

On-Line Remote Monitoring can be arranged

Laser Alignment of all open Drives as Required: Measurement of Misaligned Shafts and Vibration



Guaranteed Service:

- ✓ Our Skilful, Dedicated teams are on a 24/7 standby
- ✓ We strive to provide Quality, Competent, Professional Service
- ✓ Client satisfaction is our Primary Objective
- ✓ We aim to offer Market Related tariffs with Value for Money
- ✓ We will keep abreast with Technology
- ✓ Always endeavouring to improve on work practices and safety standards
- ✓ Apply the highest possible standard of business ethics and code of conduct to all concerned

Trade References: (2 of the many Major clients)

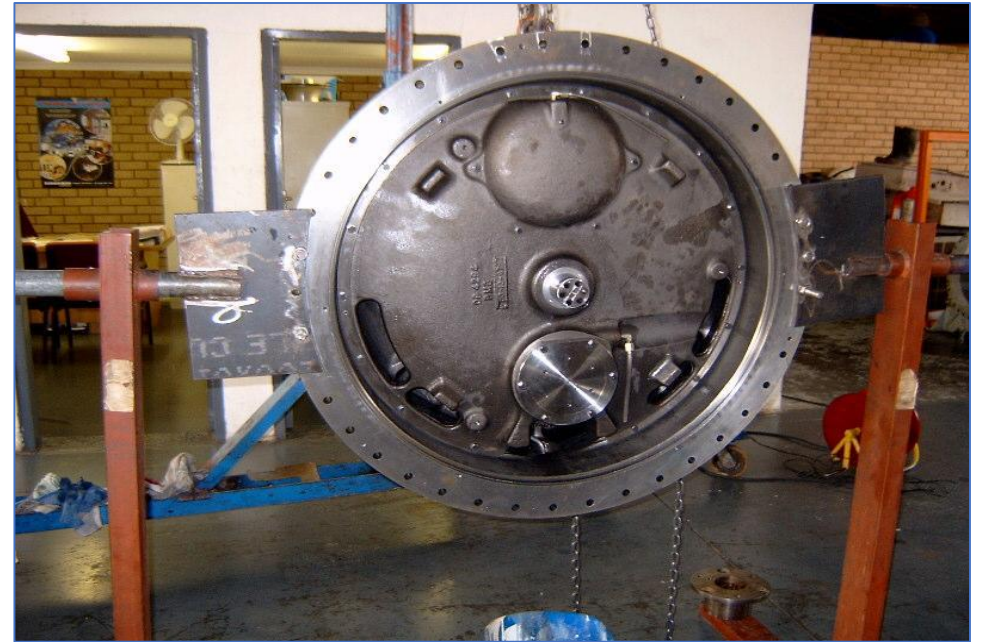
- In 2002 Million-Air Services entered into a Service Agreement with Sibanye Stillwater where we maintain 36 Refrigeration Plants and 2 x 5 MW Ammonia plants.
- Million-Air Services has been providing Driefontein Gold Mine with Maintenance and Breakdown Services for over 20 years

York Compressor YK Rebuild

Removal of York YK J4 Compressor



Disassembling a YK York Compressor



Rebuild refrigeration compressors to OEM design specifications

Maintenance and repairs of York YK J4 compressors

York YK J4 Compressor Float inspection



Disassembly York YK J4 Compressor



Annual service inspections provide trend analysis to save equipment and money.

Convert a York J3 compressor to the capacity of York YK J4 compressor

York YK J4 Compressor Float inspection



Disassembly York YK J4 Compressor



Installation of a larger impeller with related separator plate and diffusers design

Many years of experience on Ammonia Screw Compressor Rebuilds

Frick Screw TDSH 233 Compressor



Howden Ammonia Compressor



Rebuilding of Frick,Trane and Howden Screw Compressors

Ammonia Screw Compressor Rebuilds

Frick Screw TDSH 233 Compressor



Frick TDSH 233 Ammonia Compressor



Maintenance on Frick TDSH 233L compressor Afrox Pietermaritzburg service agreement for the the past ten years. Repairs and rebuilding of ammonia compressors

Ammonia Screw Compressor Howden condenser plate heat exchanger gasket replacement

Ammonia Plate heat exchanger



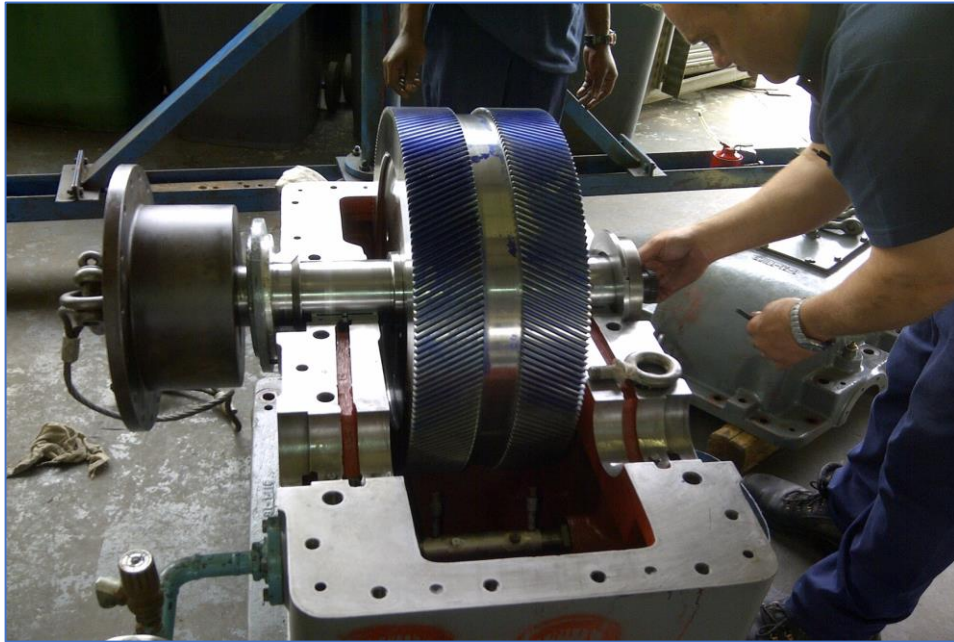
Howden WRV 322 Ammonia Compressors



Maintenance on Howden WRV 322 condenser plate heat exchanger gasket replacement at Sibanye Stillwater service agreement for the the past twenty years.

York compressor speed increaser bearing replacement and gear meshing inspection

Gearbox bearing replacement



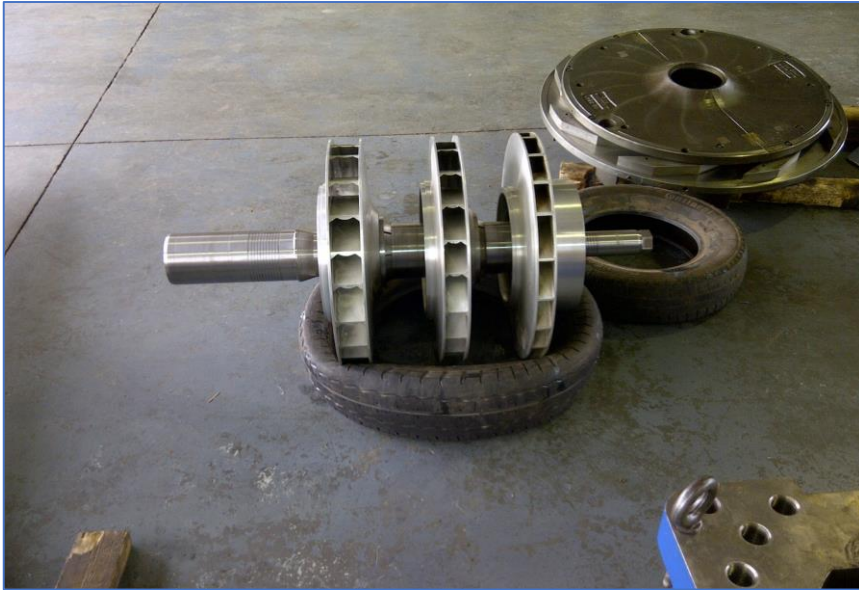
Compressor and gearbox ready for delivery



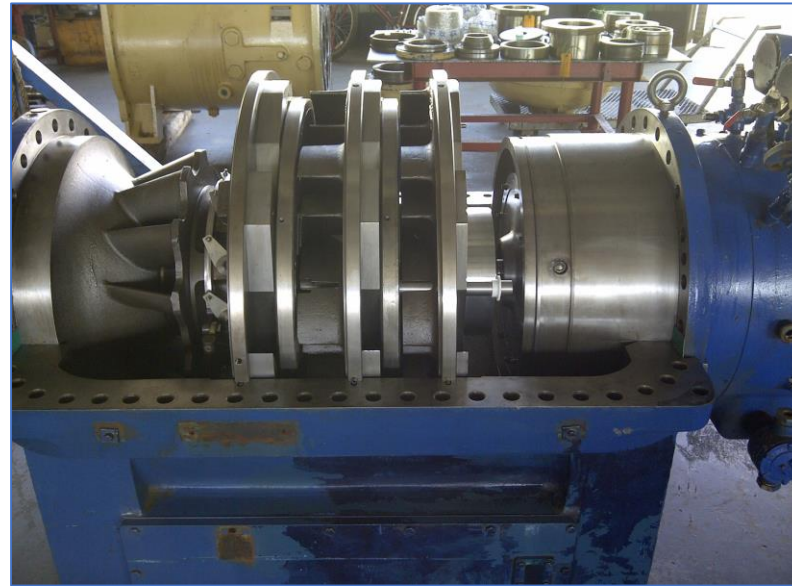
We do Gearbox repairs and gear set replacement
Bearings, Mechanical blueing, Scraping and the fitting is our speciality

York OM 338 A Compressor Rebuild

York OM 338 A Compressor disassembly



Assembling York Multi Stage Comp



Completed



We have the lifting Equipment and all the speciality Tooling for a comprehensive re-build

Service Contracts on large refrigeration and air conditioning plants

York YTK 144 Compressor



York Multi stage 238 Compressor Chillers



Refrigerant / Oil Sampling. Tube Cleaning
Field testing of Chiller Efficiency

Condenser retubing done on site

Condenser tube replacement



Condenser tube expansion as per OEM specification



We offer Tube End sheet replacement with explosive cladding and support sheets with tubes, total vessel refurbishing

Service Contracts on large refrigeration and air conditioning plants

Sulzer Plant with York YK J4 Compressors



5 X Sulzer Plant with York Yk J 4 Compressors



Million-Air Services has been maintaining this plant for more than 20 years
Customer Tailored, Comprehensive Maintenance Contracts
Contract breakdowns on a 24/7 basis with limited response times

Service Contracts on large refrigeration and air conditioning plants

Contact Details

Office 018 786 1026 info@million-airservices.com

Robert Ihlenfeldt	Managing Director	Cell 082 414 6548	robert@million-airservices.com
Bruce Titcombe	Refrigeration Engineer	Cell 083 654 5778	bruce@millionairservices.co.za
Peet Wagner	Service Supervisor	Cell 079 396 8211	peet@million-airservices.com