



HV MOTORS
LV MOTORS
LV PUMPS
BWC PUMPS
DC MOTORS
TRACTION MOTORS
TRANSFORMERS
MINI-SUBS
MAGNETS
GENERATORS
ON SITE SERVICES



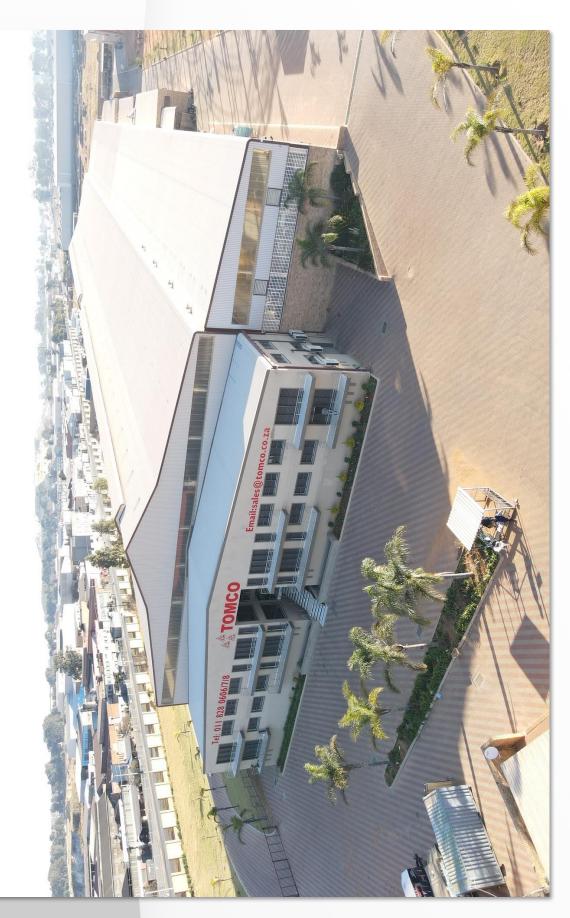






010 200 9318 011 828 0606 /7/8/9 sales@tomco.co.za www.tomco.co.za







ABOUTUS

1976 Tomco Armature Winders cc

2000 Tomco Electrical And Mechanical Engineering (Pty) Ltd

2011 Tomco Transformer Repairs & Sales (Pty) Ltd

Tomco specialises in refurbishing and rewinding of AC Motors, DC Motors, HV Motors, Pumps, Transformers, Generators, Crane Magnets, Welding machines and On-Site Services including Oil Purification. Tomco also supplies new units as per customer requirements.

The company has a full range of equipment and facilities, which ensures that majority of all work undertaken is carried out in-house

The experience and facilities enable the company to provide quality products and service to their customers

Tomco has a collect and delivery service to most parts of the country allowing a

24 HOUR, 7 DAY WEEK EMERGENCY REPAIR SERVICE

The aim of their service and on-site services is to provide their customer with an understanding of the operational conditions of their electrical machinery

To reduce the cost of planned and unplanned maintenance in order to prolong the operating life of their customer's electrical machinery and increase plant availability, productivity and profitability

MISSION STATEMENT

Leadership Through Quality, Service & Commitment

OUR COMMITMENT

Quality Conscious Competitive Pricing Health and Safety Environmental Social Responsibility

WARRANTY

A Tomco warranty is issued for a period of 1 year from date of invoice as follows:

Complete rewind & Mechanical repairs: Fully Warranted

Partial Rewind : Portion of winding that was rewound only & Mechanical repairs

Service units : Labour & New Parts supplied only

AGENCIES HELD



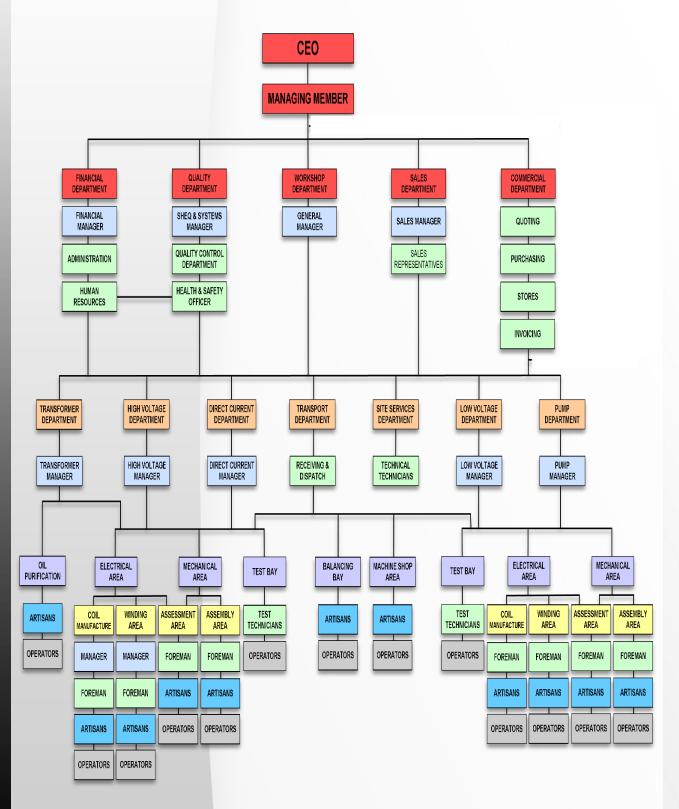
Official Repair Agent for Boiler Water Circulating Pumps for SA



Authorised Repair Shop



ORGANISATIONAL CHART



ALL LEVELS COMMUNICATE UP AND DOWN WITH EACH OTHER AND TO MANAGING MEMBER & CEO THROUGH THE DEPARTMENT HEADS



CONTACT DETAILS

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SALES GROUP MAIL			sales@tomco.co.za
ACCOUNTS GROUP MAIL			accounts@tomco.co.za



BEE CERTIFICATE

LEVEL 1 B-BBEE CONTRIBUTOR





BVA 274

BEE TRANSFORMATION SOLUTIONS (PTY) LTD ADRESS: MIDLANDS OFFICE PARK WEST, 1^{2T} FLOOR, MOUNT QUARY DRIVE, MIDLANDS ESTATE, MIDSTREAM 1892

> In accordance with the Codes of Good Practice issued in terms of Section 9(1) of the Broad Based-Black Economic Empowerment Act, 2003 (act 53 of 2003 as amended 27 January 2014) and the Codes Good Practice as amended

B-BBEE Verification Certificate TOMCO ELECTRICAL AND MECHANICAL ENGINEERING (PTY) LTD

CERTIFICATE No: TY PE OF ENTITY: REGISTRATION NUMBER: VAT REGISTRATION: HEAD OFFICE LOCATION:

FINANCIAL PERIOD: APPLICABLE CRITERIA: SCORECARD APPLIED: BTS23/03/04Gen Private Company 2000/003113/07 4090205412

Cnr Homestead and Main Road, Knights,

Germiston, 1401

1 March 2021 - 28 February 2022

B-BBEE Codes of Good Practice as amended

Generic

(> R50 Million annual turnover)

Element	Element Weighting	Score		
Ownership	25	25		
Management Control	19	9.49		
Skills Development	25	20.39		
Enterprise and Supplier Development	46	40.42		
Socio-Economic Development	5	5		
Total Score	120	100.30		

Broad-Based BEE status level: A level ONE contributor to B-BBEE **BEE procurement recognition:** Black Ownership: 51% Black Female Ownership: 51% Discounting Principle Applicable (No) Modified Row Through Applied (No) Black New Entrant: 51% **Exclusion Principle Applied** (No) Black Designated Group: 25.5% **Empowering Supplier:** Black Youth: 0% (Yes) Y.E.S. participation (No) Black Disabled: 25.5% Achieve Y.E.S Target and 2.5% Absorption Black Unemployed: 0% (No) Achieve 1.5x Y.E.S Target and 5% Absorption (No) Black People living in rural areas: 0% Achieve 2x Y.E.S Target and 5% Absorption (No) Black Military Veterans: 0%

17 March 2023 ISSUE DATE:

EX PIRY DATE: 16 March 2024

PERIOD OF VAUDITY: 12 MONTHS

REVISION DATE: N/A

TECHNICAL SIGNATORY ANTIONETTE GROENEWALD





ENTERPRISE & SUPPLIER DEVELOPMENT

TOMCO has implemented leading practices in Enterprise and Supplier Development (ESD) across their core functional areas. This initiative promotes economic transformation through developing entrepreneurs and suppliers and creating competitive markets for them to generate more jobs and establish sustainable communities.

Tomco is committed to creating opportunities for black owned suppliers and black entrepreneurs to encourage economic growth in the country through their operations and other ventures. Tomco leverages their purchasing power, internal and external capabilities to deliver sustained stakeholder value.

SOCIAL ECONOMIC DEVELOPMENT

TOMCO's Social Economic Development (SED) strategy is about empowering communities within their areas with resources, support and skills that ultimately lead to better lives.

Tomco aims to become a benchmark of effective SED within their industry by ensuring impact and sustainability of community initiatives.





CUSTOMER BASE

A FEW OF OUR CUSTOMERS

















































































TOMCO

CORE SERVICES

HIGH VOLTAGE DEPARTMENT

REPAIR

- High and Medium Voltage AC Motors up to 15MW
- Balancing Capabilities up to 12½Ton
- VPI Plant 2.8m x 3.5m Sterling resin

COILS

- Set Diamond Coils up to 15MW
- Hairpin Coils
- Rotor Rebar
- Rotor Rewind Mush / Bar Wound
- All Electrical Testing to SABS/IEC Standards and Customer specifications

TEST

- No load test capabilities on MV motors up to 11 000V
- Synchronous Induction Unity & Zero Power Factor
- Bar Continuity
- Tan Delta Testing
- Electromagnetic Core Imperfection Detection (El Cid)
- Efficiency testing program designed by Henry Du Preez in conjunction with Tomco's Power Analysing equipment
- Pressure Testing (Old windings by request only)
- Routine Testing to SABS/IEC Standards and Customer specifications

CAPACITY

65 Motors Per Month

TURN AROUND TIMES

From receipt of official order

Normal : 4 - 6 weeks

Breakdown: 72hrs - 3 weeks *













TOMCO

CORE SERVICES

LOW VOLTAGE DEPARTMENT

REPAIR

- Low Voltage AC Motors up to 1MW
- Voltage range from 220V to 1000V
- Scraper Winch motors
- Vibrator motors
- Saliant Pole rotors
- Balancing Capabilities up to 12½Ton

TEST

- Testing capabilities 450kW
- Dynamometer load testing up to 350 kW
- Insulation Resistance Testing
- High Voltage Withstand Testing
- Interturn Testing RISATTI
- Rotor Bar Testing
- Stator / Rotor Core Testing
- Coil Reversal Testing
- Vibration Testing
- No Load Phase Balance Testing
- Locked Rotor Current Balance Test
- No Load Bearing Temperature Test
- Load Test of Motor (On customer request only)
- Routine Testing to SABS/IEC Standards and Customer specifications

CAPACITY

1000 Motors Per Month

TURN AROUND TIMES

From receipt of official order

Normal : 5 - 10 days

Breakdown : 24 - 72 hrs *

















LOW VOLTAGE PUMP DEPARTMENT

REPAIR

- All types of Submersible pumps up to 350kW
- Centrifugal Pumps up to 250kW
- Multistage Centrifugal Pumps up to 8 stage
- Balancing Capabilities up to 12½Ton

TEST

- Testing based on KW vs HYDRAULICS
- Station capable of testing up to 300CM³ p/h on 200mm pipe
- Based on 3 different sizes of electromagnetic flow meters, namely: 50mm / 100mm / 200mm pipe
- Software to work out Friction Loss, the Flow and the Head has been measured on different pipe sizes and calibrated by KSB Pump Engineers to give an accurate reading of the performance of the pump
- The print outs give all information regarding the test namely: Head, Flow and Performance
- The Tests are performed on 5 different readings:
- Valve just cracked,
- Valve opened at 75%/50%/25%/completely open
- Routine Testing to SABS/IEC Standards and Customer specifications

CAPACITY

50 Pumps Per Month

TURN AROUND TIMES

From receipt of official order

Normal : 5 - 10 days

Breakdown : 24 - 72 hrs *



















DIRECT CURRENT DEPARTMENT

REPAIR

- DC and Winder Motors up to 10MW
- All types of Traction Motors
- Generators
- Alternators
- Welding Machines
- Balancing Capabilities up to 12½Ton

COILS

- Set Diamond Coils up to 10MW
- Hairpin Coils
- Rotor Rebar
- Rotor Rewind
- All Electrical Testing

TEST

- No Load testing capabilities up to 10MW
- Load Testing up to 300kW, 4 to 6 pole
- Back to Back Load Testing of Loco Motors
- Routine Testing to SABS/IEC Standards and Customer specifications

CAPACITY

50 Motors Per Month

TURN AROUND TIMES

From receipt of official order

Normal: 2 - 5 weeks

Breakdown : 1 - 2 weeks *



















TRANSFORMER DEPARTMENT

MANUFACTURE

- Transformers up to 15 MVA
- Mini-substations up to 1250 KVA
- Power & distribution transformers
- Oil type transformers & mini-substations
- Dry type transformers & mini-substations
- Reactors
- New tanks
- Active Part

REPAIR

- Transformers up to 15 MVA
- Mini-substations up to 1250 KVA
- Power & distribution transformers
- Oil type transformers & mini-substations
- Dry type transformers & mini-substations
- Reactors
- Electromagnets Overhead and Conveyor
- Complete rewinding of coils
- Repair / renewal of damaged components
- Drying of active part
- Shot blast & paint

TEST

- Test Capability Up To 15MVA
- Mini-Substations up to 1250KVA
- Routine Testing to SABS/IEC Standards and customer specifications

CAPACITY

40 Transformers Per Month

TURN AROUND TIMES

From receipt of official order

Normal : 2 - 5 weeks

Breakdown : 1 - 3 weeks *















TRANSFORMER ON SITE SERVICES

ON SITE SERVICES AND TESTING

- Repair Gaskets
- Repair Oil Leaks
- Purify Oil
- Limited Modifications
- Oil Sampling

Routine testing to SABS/IEC Standards and Customer Specifications

ON SITE OIL PURIFICATION SYSTEMS

 Purification system designed for use with all lubricating oils

Features:

 Rapid removal of all water, gasses & acids & High efficiency demulsifying properties

Principles of operation:

- Wet or emulsified oil is drawn into the System under vacuum
- The first chamber is a quiet zone; leading to thermostat controlled heaters and from there, into the vacuum separator under negative pressure, low humidity conditions
- This provides the ideal environment to quickly and effectively evaporate dissolved water and gasses
- All vapours and gasses enter into the chiller / condensation unit and are released into the water receiver
- Cleaner, dryer oil is passed back to the oil tank

Dependant on volume of water contamination, multiple passes will be required to achieve target dehydration levels





MACHINE SHOP DEPARTMENT

1 VERTICAL BORING MILL

Height: 400mm x Table Diameter: 1250mm

4 HORIZONTAL BORING MILL

Table Size: 1.6m x 1.8m ± 8Ton
Table Size: 1.5m x 1.8m ± 4Ton
Table Size: 2.0m x 1.8m ± 8Ton
Table Size: 1.0m x 1.25m ± 8Ton

9 METAL LATHES

- Length between centers 4000mm Swing 800mm
- Length between centers 3930mm Swing 1200mm
- Length between centers 3000mm Swing 660mm
- Length between centers 2000mm Swing 500mm
- Length between centers 2000mm Swing 720mm
- Length between centers 2000mm Swing 580mm
- Length between centers 1900mm Swing 500mm
- Length between centers 1700mm Swing 1000mm
- Length between centers 1500mm Swing 500mm

4 MILLING MACHINES

Working Area: 1500mm x Table Width: 550mm
 Working Area: 1400mm x Table Width: 350mm
 Working Area: 1300mm x Table Width: 300mm
 Working Area: 1100mm x Table Width: 300mm

2 RADIAL ARM DRILLS

- 1m Travel x 1m Height 50mm Φ Drill
- 1m Travel x 1m Height 50mm Φ Drill

2 PRESSERS

Horizontal: 1.4m Width x 5m Length 300TonVertical: 3.0m Height x 1.5m 100Ton

Key slotter
Pedestal Drills
Micro welding Plant
Boiler making and Fabrication
Concentricity Checks















TOMCO

CORE SERVICES

SITE SERVICES DEPARTMENT

SERVICES

- On site problem solving System Solutions
- Removal, Installation and Commissioning of motors and equipment
- Removal of white metal bearings for repairs or remetalling
- Laser Alignment
- Electrical and Mechanical Repairs
- On site Power Quality Analysis
- Dynamic Trim balancing
- Replacement of brushes on DC & Slipring motors
- Checking of brush gear Neutral Point
- Undercut & Bevel Commutator
- Fault Finding
- Thermography
- Tribology

ELECTRICAL TESTING

- Insulation Resistance (Megger)
- Polarization Index (P.I.)
- Winding Resistance
- Interturn Test
- Tan Delta Testing and Monitoring

Routine Testing to SABS/IEC Standards and customer specifications

MECHANICAL TESTING

- Bearing Temperature measurement
- Vibration Analysis

Routine Testing to SABS/IEC Standards and customer specifications





RESOURCES

FLOOR SPACE 11 000m² & 22 000m²

CRAINAGE 6 x 1 Ton

7 x 5 Ton 7 x 10 Ton 1 x 15/5 Ton 3 x 20 Ton 1 x 25 Ton 2 x 35/15 Ton 2 x 40 Ton 1 x 65 Ton 1 x 75/15 Ton

FORKLIFTS 1 X 2,5 Ton

1 X 8 Ton

BURNOUT OVENS 7.5 Cubic meters

Fitted with temperature controllers and recorders

ELECTRIC CURING OVENS 1 X 6x4x4m

2 X 4x5x4m 1 X 2x3x2m

Fitted with temperature controllers and recorders

SANDBLASTING FACILITY 115 cubic meters

VPI PLANT 1 X 2.8x3.5m Tank

Sterling Resin

BALANCING FACILITY 2 x Balancing Machines

Capabilities up to 12½Ton

TRANSPORTATION 8 x 1 Ton Toyota Hilux

2 x 5 Ton Toyota Hino1 x 5 Ton Toyota Dyna1 x 6 Ton Toyota Hino1 x 8 Ton Toyota Hino

1 x 12 Ton Mercedes Benz - Crane

1 x 14 Ton Mercedes Benz 1 x 14 Ton Toyota Hino

1 x 15 Ton Mercedes - Wide Deck 1 x 17 Ton Scania - Flat Deck

1 x 36 Ton Scania - Low Bed

Permit Required



QUALITY ASSURANCE









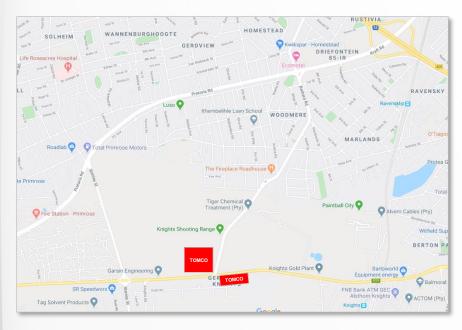
COMPANY DETAILS

PHYSICAL ADDRESSES

CNR PIET & MAIN REEF ROADS
KNIGHTS, GERMISTON
GPS Y: 28°18′34″ X: -26°19′53″

CNR HOMESTEAD & MAIN REEF ROADS KNIGHTS, GERMISTON

GPS Y: 28°18'27" X: -26°19'43"



POSTAL ADDRESS

P O BOX 518 GERMISTON, 1400

CONTACT DETAILS

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