



J.R. MACKAYS DIESEL and MOTOR ENGINEERING (Pty) Ltd.

Reg. No:2005/044109/07

TO WHOM IT MAY CONCERN

A SHORT HISTORY OF J.R. MACKAYS DIESEL & MOTOR ENGINEERING

J.R. Mackays Diesel & Motor Engineering began its operation in 1946 as has developed into a modern up to date automotive repair facility with specialized machinery for crankshaft grinding, reboring, line-boring, surface grinding, connecting rod resizing, cylinder head re-machining, complete engine rebuilding, assembling and dyno meter testing.

Our reputation for Quality and Service is unsurpassed.

Our expertise and workmanship on the engines are transferred to new artisans and this company also has been acknowledge as an **accredited training facility by Marseta since 2000**. Ongoing training with our qualified automotive machinist and assemblers in various fields on different types of engines.

We continually strive to have a safe working environment for our employees as prescribed by the Occupational, Health and Safety Act 1993 through baseline risk assessments and improvements.

J.R Mackays has been awarded a BBBEE level 4 in the generic enterprise score rating as per reference to the DTI Codes of Good Practice Gazetted 2013.

We repair and recondition all diesel and petrol combustion engines.

We are an approved VOLVO PENTA service provider for parts and field services.

We are an accredited repairer of minor and major Off-Highways engines on Mercedes-Benz by Daimler Truck SA.

We rebuild and dyno test all makes of engines - mechanical or electronic.

*We have a **EXPLOLAB** - SANS 868-1-1 permit to apply certification mark on flameproof engines in fiery mines.
Furthermore, we are the first SANS 868 permit holder company whom obtained the SANS 10274 (refurbish of diesel engines) certification with **Explolabs Certification Services**.
We also have acquired our DEKRA ISO 9001:2015 certification for the reconditioning of diesel and motor combustion engines.*

Our banking partner is Standard Bank since 1948.

We have a fairly large workshop with 115 employees and an average of 24 years of services with us, ensuring you of **TOP Quality Workmanship**.

We offer 24 hours Field Services.

Our guarantee for complete rebuilding of engines are 12 months or 1000 hours.

A visit by you would confirm all that we claim.

CP/ADMIN/073 – 08/08/2025

DIRECTORS: Mr D J HUMAN; Mrs J J JONKER; Miss J A WESSELS

Physical Address : 8 Second Avenue East, SPRINGS 1560 ☒ 431, SPRINGS 1560
☎ : (011) 811-1885 @ : jrmackay@mweb.co.za 🌐 : www.jrmackays.co.za

	Social Compliance Policy	Date: 09/04/2025 Document No: SCP/HR/054 Implementation date: 13/11/2019 Due for review: Yearly Version: 005
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SOCIAL COMPLIANCE POLICY

At JR Mackays Diesel and Motor Engineering, we believe in doing business the right way.

This means we do business ethically, honestly and in full compliance with all laws and regulations. We are committed to maintaining the highest standards of ethical compliance in which we do business. The purpose of this policy is to define JR Mackays Diesel and Motor Engineering minimum standards, along with the basic principles we expect from our employees, suppliers and contractors.

We are committed to ensuring that the standards outlined in this policy are effectively implemented and monitored throughout our company.

We apply these values to all new and current relationships.

Child & Forced Labour - We do not condone or use any form of forced labor. Nor do we use any form of child labor. Furthermore, physical or verbal harassment or abuse to discipline employees is not tolerated.

Human Rights – Our business is conducted in the manner that respects the right and dignity of all people. We are guided by the principles of the International Labour Organisation and support the observance of human rights set out in the universal declaration of human rights with special reference to the human rights of employees.

Wage, Benefits and Working Hours - We comply with all applicable wage, working hours, benefits, and overtime laws. If local industry standards are higher than applicable laws and regulations, we meet those higher standards.

Discrimination - Our employment practices do not discriminate on the basis of age, nationality, race, religion, social or ethnic orientation, gender or disability.

Workplace Conditions - We provide a safe, healthy and secure workplace for all employees. Proper sanitation, lighting, ventilation and fire safety protection are provided.

Compliance with all applicable laws and regulation - In the absence of law in a particular location relating to product safety, labor, employment, and environment or working conditions, the spirit and intent of these policies are met.



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Safety Policy – One
pager

Document No: SPO/ADMIN056
Implementation date: 15/01/2009
Date : 09/04/2025

Version: 009

SAFETY POLICY

Value Statement

- At **JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd** we believe that our most valuable assets are our employees and their families,

Therefore:

- We are committed to the health and safety of all employees,
- All employees have the right to a healthy and safe working environment,
- All enquiries and work related illnesses can and must be prevented.

Commitment

- JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd** is committed to ensure compliance with the Occupational Health and Safety Act.
- To establish and follow agreed and disciplined procedures to identify, report, record and rectify unhealthy and unsafe conditions and practices.
- Identify, evaluate and eliminate safety, health and environmental risks and ensure that all hazards are managed.
- JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd** is committed to a continual improvement of safety, health and environmental system in accordance to the employees and the company's improvement.
- To improve safety, health and environmental policy with respect to the changing health, safety and environmental hazards and risks

Objectives and Targets

- To build a supportive culture that requires visible leadership with clear accountability,
- Measures by means of a formal evaluation system, the extend to which safety, health and environmental objectives have been met,
- Working towards a zero harm environment with all roll players

Welfare

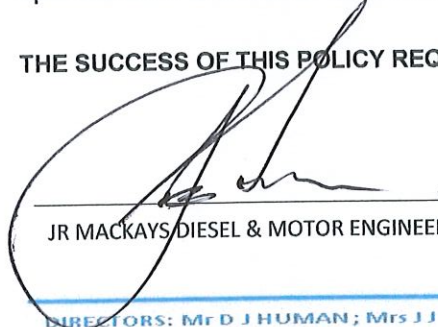
- The arrangement for the provision and maintenance of welfare facilities
- Off site – Field service technicians will utilize the welfare facilities of the client

Training

- JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd** will improve everyone with effective training so that employees understand that safe working is the highest priority,
- Investigate all incidents by trained personnel to prevent any re-occurrence,
- Test, improve and review emergency procedures.

At **JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd** we are determined to delivered quality co-operation and to enhance national environmental quality.

THE SUCCESS OF THIS POLICY REQUIRES THE INVOLVEMENT AND COMMITMENT OF EVERY EMPLOYEE


JR MACKAYS DIESEL & MOTOR ENGINEERING (Pty) Ltd - D J Human (Appointed 16.1)

09/04/2025
DATE

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Quality Policy Statement

Document No: QM 02
Implementation date: 2005
Date : 09/04/2025

Version: 004

QUALITY POLICY STATEMENT AND OBJECTIVES BY THE MANAGING DIRECTORS

COMPANY PROFILE

J.R. Mackays Diesel & Motor Engineering (Pty) Ltd was founded in 1946 and has developed into a modern automotive facility with specialised machinery for camshaft grinding, reboring, line boring, surface grinding, connecting rod sizing, cylinder head re-machining, complete engine rebuilding, assembling and dynamometer testing.

We have a **EXPLOLAB** - SANS 868-1-1 permit to apply certification mark on flameproof engines in fiery mines.

Our guarantee for complete rebuilding of engines is 12 months or 1000 hours.

We provide a 24/7 hours field services to our clients.

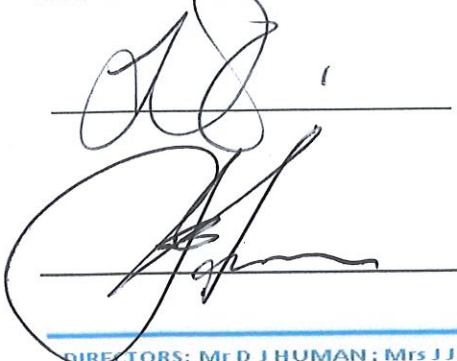
Top quality workmanship is assured by our average "years of service" amongst our employees standing at 24 years.

In view of our longstanding reputation as a superior automotive facility, we are dedicated to further improving our organisational advantage by establishing of a quality management system that meets all the requirements of our ISO 9001:2015 certification and enhancing customer satisfaction.

VISION

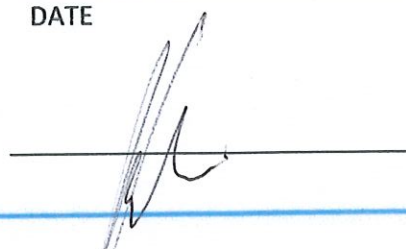
- To continually improve our level of service to clients via improvements of management system,
- To maintain and where possible improve our management of time and resources to enhance our return to all shareholders,
- To be recognised as a top automotive facility in our field,
- To communicate the quality policy to all employees, ensuring understanding of the content,
- **AS MANAGING DIRECTORS**, we commit ourselves to the task of ensuring both the implementation and maintenance of the quality management system in all aspects and ensuring similar commitment by all employees in the organisation by the ongoing communication and review of the management system, quality policy and objectives

MANAGING DIRECTORS



09/04/2025

DATE



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Quality & Administration Methods

1) When receiving engine the following procedures are followed:

- The engine is allocated a **job number** i.e A,B,C, 2A,2B,2C followed by 0001-0999 etc,
- The job card will indicate the **Customer's name, Order number, Model, Make, Engine Number**, manually and electronically on Autoplan
- Engine will then be checked by filling in checking slip, **before** stripping commences,
- All stripped parts will be marked by labelling or by means of Number stamp with the number given to the engine,
- Only then will the parts be placed separately into the cleaning tank,
- Cleaned parts will be laid out for inspection to determine failure of engine,
- Engine will be measured for wear **Over or Under Size** and measurements will be recorded on the **Job Card**,
- Required spares will be written down and discussed with the Buyer as to what actions to be taken and authorised by the Managing Director,
- All parts are kept in our Storeroom, marked with the relevant Job number

2) Inspection of engines are conducted in the following manner

a) Cylinder Head • Check valve guides and valves for wear or breakages, • Check cylinder head for straightness (warpage), • Check for broken studs or stripped bolt holes, • Pressure test cylinder head and check for cracks, • Check inserts and depth of valves in cylinder head, • Check valve spring tension and inspect retainers and cotters for wear,	b) Cylinder Block • Check block for any breakages, cracks, broken studs or stripped bolt holes, • Measure cylinders for wear, ovality, taper and determine whether STD or O/Size, • Measure main bearing housing for ovality and correct STD size according to O.E.M - Specification and check condition of cambushes, • Check top face of block for straightness. All measurements will be recorded on the job card with the STD size, O/size and condition of block, crankshaft etc,
c) Crankshaft • Check crankshaft nose, key-waves, flanges and flywheel bolt holes for wear or breakage, • Check condition of seal runners, • Measure crankshaft for wear, ovality and STD or U/Size, • Check hardness of crankshaft. Check for bents and crack detect crankshaft, • If crankshaft consists of loose balance weights they are removed and after repair re-fitted with new bolts. Balance weights are marked before removal.	d) Connecting Rods • Connecting rods are cleaned and torqued to Spec and measured for ovality and correct STD size according to O.E.M • Small end bushes are measured for wear, ovality and taper, • Check conrod alignment (twist or bent)

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e) <u>Pistons</u> • Measure pistons for distortion and check for cracks, wear of ringlands or any breakages, • Check gudgeon pins for wear, • Pistons are checked to determine possible blow by and sump compression,	f) <u>Camshaft and followers</u> • Camshaft & Followers checked for wear on camshaft lobes, pitt marks & hollowness of cam-followers, • Check camshaft for straightness,
g) <u>Oil pump</u> • Oil pumps are stripped, cleaned and checked for wear and breakages, • Check oil pump release valve and bushes for wear,	h) <u>Water pump</u> • Water pumps are normally replaced or where applicable a kit is fitted,
i) <u>Loose parts</u> • All loose parts are checked for any breakages,	j) <u>Injector pump and injectors</u> • Injector pump & injectors are checked by Alan Black (affiliated company) which follow the same procedure by using the allocated job number mention in item 1,
k) <u>Carburators and Distributors</u> • These items are checked for wear & breakages and are serviced by the Engine Assembler,	l) <u>Quality check</u> • Quality check sheet are completed and signed off by the Quality Controller,

3) **Reconditioning of engines**

- Before reconditioning begin a **Quotation** will be submitted and **after approval and order number received** from the Customer the reconditioning will commence,
- After repairing/reconditioning of each component the O and/or U/size and clearance will be checked by our Quality Control Station by means of fitting bearings and checking according to O.E.M Specifications and records kept at each station
- After final inspection the Assembly of the engine will follow,
- Each engine assembler will fill in a Quality Control Job card for assemblies carried out which will be sent to the Dyno room with the engine,

4) **Dyno-mometer testing**

- **Each** engine will be tested according to specification and **issued with a full running-in program and final Dyno Test Report**
- After Dyno testing the engine will be cleaned, painted & checked by a Quality Controller,
- **All** engines will be tested with a **Smoke-Free Acceleration Tester**,

5) **Invoicing**

- After completion of each engine the Customer will receive a detailed/itemised Invoice indicating the engine type, engine number, job and order number.

Warranty: 12 months or 1000 hours

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WARRANTY

Terms: 30 Days Nett.

Discount: Any discounts shown are only valid if settled within 30 days of statement. We reserve the right to change the maximum permissible interest on overdue amounts.

- **UNIT** means a complete engine assembly or sub-assembly or components thereof or individual part of parts.
- **REBUILT** bears its ordinary meaning in the automotive engineering trade, and for the purpose of this warranty includes machining of individual part of parts.
- **GUARANTEE PERIOD** 12 months or 1000 hours on reconditioned engines which ever comes first.
- **REBUILDER** means the Automotive Engineering Firm whose name appears on the obverse hereof.
- **CUSTOMER** means the person, firm or company with whom the rebuilder has contracted to rebuilt the unit, and whose name appears on the obverse hereof and who warrants that he contracts as Principal.
- **STORAGE** Engines kept in storage to be re-dyno tested every 6 months in order to keep warranty valid.
- **MANUFACTURES SPECIFICATION** means the manufactures specification for a new vehicle.
- **REPAIR STORAGE** means any engine not claimed within 12 months will be scrapped to defray of losses.

The rebuilder warrants to the customer the rebuilt unit to be free under normal use and service during the Guarantee Period of defective workmanship **and / or** material or parts if the rebuilder has supplied the material or parts. The liability of the rebuilder under this guarantee is subject to be following condition:

- a) That the engine is properly fitted and initially run and re-torqued by the customer, all in accordance with the Manufacturer's Specification.
- b) That at the time of installation of the engine, the cylinder head, diesel and / or fuel pumps, injectors and nozzles, petrol, diesel, oil and water pumps, radiator thermostat and hoses, fan exhaust and carburettor systems, heat and oil pressure gauges oil and fuel filters are fully serviced or replaced were necessary: that valves and tappet settings, cylinder head tightening, retorquing and oil changes are performed at the time of installation of the unit, all according to the written specification by the rebuilder, or in the absence thereof, the manufactures specifications.
- c) That the engine is fully serviced and maintained in good order and condition during warranty period.
- d) That the engine is not opened (other than by the employees of the rebuilder) or in any way tampered with, this includes removing any seals on the fuel system.
No modifications to the engine to be carried out without the rebuilder's knowledge, consent first obtained in writing.
- e) That there is no misuse or negligent handling by the customer of the rebuilt unit or of the vehicle whilst in operation, and when a fault occurs, the operation of the vehicle is immediately stopped.
- f) (i) That on failure of the rebuilt unit, the rebuilder shall be notified immediately by telephone and the failure confirmed in writing within 7 (seven) days of such failure occurring.
(ii) A full root cause analysis (RCA) must be done in failed working position before removing engine or any stripping of components. This must be done by a J.R. Mackay's technician in the presence of the customer.
 - It will be the responsibility of the customer to notify us of the failure and request a technician to do the required RCA. Should the customer fail to do so the warranty will be nil and void
- g) Engines must be commissioned by us before start-up.
- h) **All crack tested and pressure tested components are not included in the warranty period.**
- i) Rebuilt engines kept in stock for longer than 6 months must be re-dyno tested at the customer's expense to retain warranty
- k) All electronic and electrical components are excluded from warranty.

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Reg. No:2005/044109/07

The liability of the rebuilder shall be to repair or replace, as the rebuilder may in its discretion decide, defective workmanship in the rebuilt unit or defective parts supplied or machined by the rebuilder, for which purpose the customer shall at his own cost cause the unit to be delivered to the rebuilder at its workshop or to a location designated by it. The customer contracts with the rebuilder upon the basis that the responsibility of the rebuilder for defects in workmanship **and / or material and / or** parts is limited to the terms of the foregoing warranty, and save as aforesaid it shall not be responsible or liable to the customer for any loss or damage direct, indirect or consequential, resulting directly or indirectly from defects patent or latent workmanship, material or parts, and whether caused by or arising from negligence in delict or contract. Gross or otherwise, of the rebuilder or his employees or arising from any other cause whatsoever: and the customer hereby exempts the rebuilder from any warranties by the rebuilder expressed or implied in law or in contract, and any liability of the rebuilder by virtue thereof is hereby expressly excluded.

Before the rebuilder is required to fulfil its obligation under the foregoing warranty, the customer shall be obliged to pay to the rebuilder whatever amount is owed by the customer for the rebuilt unit, and the rebuilder's obligation shall be suspended and unenforceable until payment has been made. "Notwithstanding the amount thereof, the rebuilder and customer consent in term of section 45 of Act 32/1944 to the jurisdiction of the Magistrate's Court for any claim arising out of the contract which the customer may have against the rebuilder.



MR D J Human
Management
CP/ADMIN/073 - 06/05/2025

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WORKSHOP MACHINES & EQUIPMENT

BERCO crankshaft grinder - Model RTM 270A
TETROC crack detecting machine - CD3H
BOSCH crankshaft polisher
Crankshaft straightner
IMMELMAN hardness tester
BOSCH crankshaft polisher - GGS27
BERCO reboring machine - AC 800
BERCO scooter barrel reboring machine - APM 100
AMC SCHOU honing machine - H260A

BERCO lineboring machine - Type BC5 No.946B
BERCO conrod boring & grinding machine - ARP651
SUNNEN heavy duty cap grinder - CRG 750
SUNNEN BP electric hydraulic press - BP10
SUNNEN conrod honing machine - LBB 1699A
BERCO cap refacer - SPB2
SERDI 60 cylinder head machine - 230
SIOUX valve refacer - Model 2075
REPCO WARREN & BROWN valve refacer - 241000
SUNNEN cylinder head assembler - CHW 40
UCIMU - 21985 lathe
TOS Trenchin - Type SN 50B lathe
Centre Lathe CY6266B/2000 Standard
COMEC Flywheel skimmer - Model RTV 600
STRAND pillar press drill - S53 X 2
SERVEX hydraulic press - 66ton
BOSCH bench grinder - GSM 200

BORGI & SAVERI Dynamometer Computerised - FA600/305 x 2
SCHENK Dynamometer Computerised - D360-4
SCHENK Dynamometer Computerised - D630-1E - No 1
SCHENK Dynamometer Computerised - D630-1E - No 2
TAYLOR Dyno and Accessories Computerised - 3000HP
DAVMAT data logging system x 2 (Dyna 3 & 5)
ONO SOKKI digital tachometer
RAYTEK temperature measurer

ROTA jet degreasing/cleaning machine No 1
ROTA jet degreasing/cleaning machine No 2
ROTA jet degreasing/cleaning machine No 3
ROTA jet degreasing/cleaning machine No 4
ROTA jet degreasing/cleaning machine No 5

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J.R. MACKAYS DIESEL and MOTOR ENGINEERING (Pty) Ltd.

Reg. No:2005/044109/07

Storm Bead blaster No 1
Storm Bead blaster No 2
Storm Bead blaster No 3
Storm Bead blaster No 4
Storm Bead blaster No 5
Storm Bead blaster No 6

ION Arc welder - Model 225
NEWCLEAR pressure tester
Paraffin cleaning machine
Cylinder block clamping & V-Block set up
Drill press super Condor - 40TC
Mobile cranes - SM 20 (x 3)
Bench grinder & wire brush
BERCO valve spring tester
ACDC 200 Inverter
MIRA BB cutter
LEO 2 digital pressure gauge
PMD Cylinder head tester

Milling Machine standard
FLIR IX camera/recorder heat gun
CAT toolkit - 3126 x 15

CAT series Dyno controllers
ISUZU Dyno controllers
Khomatsu Controllers
Toyota Controllers
Mitsubishi Controllers
Hino Controllers
Mercedes Benz Controllers

BORE Scope and camera
HOMMELWERKE tester - T1000
TCM Forklift 2ton
AC/DC inverter - 250AD
Standard Vertical drilling machine Z5035

Cut off machine - High speed
WAP steam cleaner
KARCHER Professional Steam cleaners x 2 (HDS 850-4m)
DETROIT controller
Evaporating coolers x4

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CAT sleeve replacement tool kit group 143-2099

Hoists

Radiator - Dyno

Detroit Diagnostic - DDR 3 kit x 2

Detroit Air Compressor - No 1

Detroit Air Compressor - No 2

Detroit Air Compressor - No 3

ILVA - Air receiving tank - No 1

Arlec Eng - Air receiving tank - No 2

Harp Waytrain Horizontal Bandsaw (UE-250A)

Volvo Standby Genset x 2

Poleks - Reboring machine (RM 500-2020)

Poleks - Hone (HM 100 - 2020)

Poleks - Surface grinder (YT 1800-2020)

Poleks ***** Grandor - Model KTT 2350

Sunnen - Hone (CH 100-2020)

Sunnene - Skim grinder

Ultrasonic cleaner (TS-4800A - 2020)

Smoke emission tester - Neomotec DN 21B01

Valve seat machine BV 90 SJMC

Connecting rod heater CRH50

PMD pressure tester - small PT120

SJMC valve refacer VG100

Chain blocks (2T) x 55

LDV Repair Shop

HAWKINS Dual charger Model 36/10 615

Lencor - Air compressor

Yellow gantry (3m x 3m) (overhead crane)

Rotary overhead 2 post Lift

Mobile cranes - SM 20

Toyota ST forklift - 5t

Super Condor 40 TC drill

Uri-flex compressor

Launch diagnostic tool

LT - 18/24A Pressure washer

Ryobi Generator RG-7900k

ROTA jet degreasing/cleaning machine No 6

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Registration number: 2022/410870/07

THIS PRODUCT CERTIFICATION PERMIT AUTHORIZES
J.R Mackays Diesel & Motor Engineering
(Pty) Ltd.

Company reg. Number: 2005/044109/07

No: 8 second Ave East, Springs, 1560

To apply the Product certification mark of ExCS, illustrated below,



to the "Repair & inspect" of certified equipment in compliance with the requirements of the Product certification Agreement of ExCS and the requirements of the following standard specifications:

➤ **SANS 868-1-1: 2018**

Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both
Part 1-1: Hazardous locations in underground mines — Basic explosion protected engines

PRODUCT CERTIFICATION PERMIT NUMBER: EXP006A

This permit consists of the official Product certification permit (front page) and Annexure A – Scope of permit. This Product certification permit, including the Annexure A, which forms part of the official Product certification permit, applies to following conditions:

- ❖ The product certification permit & Annexure A, is issued without alteration
- ❖ Is identified by the applicable permit number
- ❖ Is only valid, subject to ongoing compliance with the permit conditions
- ❖ This permit may not be distributed without a copy of the latest and valid Annexure A – Scope of permit, is accompanied.
- ❖ This Product certification permit may be authenticated by referring to the "Certified Clients" list on the website of Explolabs. (www.explolabs.co.za)

DIRECTOR

Effective Date: **15 November 2022**

Expiry Date: **14 November 2025**

Original registration date: **15 November 2022**



Explolabs Certification Services (Pty) Ltd.

Reg. No: 2022/410870/07

Directors: R. Venter (M.D) & D. Maree

No. 7 Spanner Road, Olifantfontein Johannesburg, South Africa

Tel: +27 (11) 316 4601 :: Cell: +27(0) 78 837 5767

Website: explolabs.co.za :: Email: ranierv@explolabs.co.za

Certificate version 1.0



ANNEXURE.A. SCOPE OF PERMIT

PRODUCT CERTIFICATION PERMIT No.

EXP006A

A.1 PERMIT HOLDER INFORMATION	COMPANY NAME: <i>J.R Mackays Diesel & Motor Engineering (Pty) Ltd.</i>	
	COMPANY REGISTRATION No.	<i>2005/044109/07</i>
	HEAD OFFICE ADDRESS:	<i>No: 8 second Ave East, Springs, 1560</i>
A.2 SITE OF MANUFACTURER / FACTORY PHYSICAL ADDRESS	<i>No: 8 second Ave East, Springs, 1560</i>	
A.3 STANDARD SPECIFICATION OF WHICH THE COMMODITY SHALL CONFORM WITH, AS WELL AS THE COMMODITY DESCRIPTION RELEVANT TO THE STANDARD SPECIFICATION	STANDARD SPECIFICATION <i>SANS 868-1-1: 2018</i> Compression-ignition engine systems and machines powered by such engine systems, for use in mines and plants with explosive gas atmospheres or explosive dust atmospheres or both Part 1-1: Hazardous locations in underground mines — Basic explosion protected engines	COMMODITY DESCRIPTION: The repair, testing, inspection & certify of basic explosion protected diesel engines, as per SANS 868-1-1 scope and requirements.
A.4 PRODUCT CERTIFICATION PERMIT VALIDITY PERIOD	15 November 2022 – 14 November 2025	
A.5 QUALITY MANAGEMENT SYSTEM DESCRIPTION OF PERMIT HOLDER	The quality management system of the permit holder is based on ISO 9001 latest version. The quality management system relating to the production of the approved commodity, must consistently meet the requirements of the specified standard specifications as well as ISO 9001 standard requirements.	



Registration number: 2022/410870/07

THIS PRODUCT CERTIFICATION PERMIT AUTHORIZES

J.R Mackays Diesel & Motor Engineering (Pty) Ltd.

Company reg. Number: 2005/044109/07
No: 8 second Ave East, Springs, 1560

To apply the Product certification mark of ExCS, illustrated below,



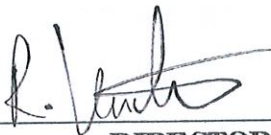
to the "refurbishing & inspect" of certified equipment in compliance with the requirements of the Product certification Agreement of ExCS and the requirements of the following standard specifications:

➤ **SANS 10274: 2005** The refurbishing of diesel engines

PRODUCT CERTIFICATION PERMIT NUMBER: EXP006B

This permit consists of the official Product certification permit (front page) and Annexure A – Scope of permit. This Product certification permit, including the Annexure A, which forms part of the official Product certification permit, applies to following conditions:

- ❖ The product certification permit & Annexure A, is issued without alteration
- ❖ Is identified by the applicable permit number
- ❖ Is only valid, subject to ongoing compliance with the permit conditions
- ❖ This permit may not be distributed without a copy of the latest and valid Annexure A – Scope of permit, is accompanied.
- ❖ This Product certification permit may be authenticated by referring to the "Certified Clients" list on the website of Explolabs. (www.explolabs.co.za)



DIRECTOR

Effective Date: **03 February 2025**

Expiry Date: **02 February 2028**

Original registration date: **03 February 2025**



**GOVERNMENT APPROVED
INSPECTION AUTHORITY**



**GOVERNMENT APPROVED
CERTIFICATION BODY**



South African Institute of
Occupational Safety and Health
Corporate Member

Explolabs Certification Services (Pty) Ltd.
Reg. No: 2022/410870/07

Directors: R. Venter (M.D) & D. Maree
No. 7 Spanner Road, Olifantsfontein Johannesburg, South Africa
Tel: +27 (11) 316 4601 :: Cell: + 27(0) 78 837 5767
Website: explolabs.co.za :: Email: ranierv@explolabs.co.za



ANNEXURE.A. SCOPE OF PERMIT

PRODUCT CERTIFICATION PERMIT No.

EXP006B

A.1 PERMIT HOLDER INFORMATION	COMPANY NAME: J.R Mackays Diesel & Motor Engineering (Pty) Ltd.	
	COMPANY REGISTRATION No.	2005/044109/07
	HEAD OFFICE ADDRESS:	No: 8 second Ave East, Springs, 1560
A.2 SITE OF MANUFACTURER / FACTORY PHYSICAL ADDRESS	No: 8 second Ave East, Springs, 1560	
A.3 STANDARD SPECIFICATION OF WHICH THE COMMODITY SHALL CONFORM WITH, AS WELL AS THE COMMODITY DESCRIPTION RELEVANT TO THE STANDARD SPECIFICATION	STANDARD SPECIFICATION SANS 10274: 2005 <i>The refurbishing of diesel engines</i>	COMMODITY DESCRIPTION: <i>This includes the engine repairs; refurbishing and testing activities in accordance with SANS 10274,</i> <i>This scope includes SANS 868-1-1 related engines, as well as Non-Ex related engines.</i> <i># NOTE: Permit holder to ensure that all requirements and activities as per SANS 10274 is executed to maintain this certificate status, proof of such conformance shall made available at all times.</i>
A.4 PRODUCT CERTIFICATION PERMIT VALIDITY PERIOD	03 February 2025 – 02 February 2028	
A.5 QUALITY MANAGEMENT SYSTEM DESCRIPTION OF PERMIT HOLDER	The quality management system of the permit holder is based on ISO 9001 latest version. The quality management system relating to the production of the approved commodity, must consistently meet the requirements of the specified standard specifications as well as ISO 9001 standard requirements.	

CERTIFICATE



ISO 9001:2015

DEKRA Certification GmbH hereby certifies that the organization

JR Mackays Diesel & Motor Engineering (Pty) Ltd

5 to 10, 2nd Avenue East, Geduld, Springs, 1560, Guateng, South Africa

for the scope of certification:

Reconditioning of diesel and motor combustion engines

has established and maintains a quality management system according to the above mentioned standard.
The conformity was adduced with audit report no. CA-22-086RA.

Certificate registration no.:	412041552/8
Validity of previous certificate:	2022-11-26
Certificate valid from:	2022-11-27
Certificate valid to:	2025-11-26



Dr. Rolf Krökel
DEKRA Certification GmbH, Stuttgart, 2022-10-27





MSCT BEE SERVICES

Making Significant Changes Together

MSCT BEE Services (Pty) Ltd
Office S2, The Sanctuary Shopping Centre
c/o De Beer Avenue & Broadway Blvd
Somerset West, 7130
Tel: +27 (0)21 852 5646, Fax: +27 (0)86 600 4965
Email: bbbbee@msctbee.co.za | www.msctbee.com

Broad-Based Black Economic Empowerment Verification Certificate

J R Mackay's Diesel and Motor Engineering (Pty) Ltd

Registration No:	2005/044109/07	Empowering Supplier:	Yes
VAT No:	4650101381	Scorecard Applied:	Amended Codes of Good Practice
Address:	8 Second Avenue East, Geduld, Springs, Gauteng, 1559	Sub-Sector Applied:	N/A
Financial Year end assessed:	30 June 2024	Scorecard Size Applied:	Generic
Certificate Number:	GEN/CS/01/25/04/2025	Discounting Principle:	No
Version No:	1	Broad Based BEE Status level:	A Level 4 Contributor to B-BBEE
		BEE Procurement Recognition:	100%

Black Ownership Participation

Black Ownership:	26,14%
Black Female Ownership:	10,54%
Black Designated Groups Ownership:	24,65%
Black Youth Ownership:	24,65%
Black Disabled Ownership:	0,00%
Black Unemployed Ownership:	0,00%
Black Rural Ownership:	0,00%
Black Military Veterans Ownership:	0,00%
Black New Entrant Ownership:	24,65%
51% Black Owned:	No
30% Black Women Owned:	No
Modified Flow Through Principle	Yes
Exclusion Principle	No

Youth Employment Service (YES)

Participated in Y.E.S Initiative:	No
Achieve Y.E.S Target and 2.5% Absorption:	No
Achieve 1.5 x Y.E.S Target and 5% Absorption:	No
Achieve Double Y.E.S Target and 5% Absorption:	No

A Level 4 Contributor to B-BBEE

Description	Score
Ownership	25,00
Management Control	6,51
Skills Development	12,84
Enterprise & Supplier Development	32,17
Socio-Economic Development	5,00
Additional Y.E.S Points	0,00
Overall Score	81,52

Technical Signatory: Corné Strauss

Issue Date: 25-Apr-25
Expiry Date: 24-Apr-26
Period of validity: 12 Months

This Certificate and the verification report are based on information provided to MSCT BEE Services (Pty) Ltd and represent an independent opinion based on the verification and analysis completed by MSCT BEE Services (Pty) Ltd. The calculation of the scores have been determined in accordance with the Department of Trade, Industry & Competition's Amended Codes of Good Practice on Broad Based Black Economic Empowerment, as amended, Gazetted on 31 May 2019, Gazette No. 42496. Digitally signed certificates are signed using an Advanced Electronic Signature in accordance with the regulations and compliant with the Electronic Communications and Transactions Act, 2002



BVA189

BELONGING IS
BETTER BUSINESS



CERTIFICATE OF MEMBERSHIP

Company

J R MACKAYS DIESEL AND MOTOR ENGINEERING (PTY) LTD

Membership Number

AC-AR1001149

Membership

Status: Accredited member of the RMI



ARA

AUTOMOTIVE REMANUFACTURERS' ASSOCIATION

Membership remains valid for the period that the member retains paid-up membership in terms of the Constitution of the RMI.

Date of Issue:

17 July 2024

Expiry Date:

30 June 2025

CEO - Strategy & Corporate Support



SCAN HERE
to validate
this certificate

CEO - Operations & Regulatory Compliance



AC-AR1001149

J R MACKAYS DIESEL AND MOTOR ENGINEERING (PTY) LTD

CODE OF CONDUCT

The Retail Motor Industry Organisation is a proactive, relevant, retail and associated motor industry organisation recognised as the leading voice in South Africa's automotive aftermarket. It serves the daily needs of its members and plays a key role in enabling motor traders to deliver a superior service to motoring consumers. Eight Associations fall proudly under the RMI umbrella. Inter-associational business-to-business trading is encouraged in the interests of all stakeholders.

As accredited members of the Retail Motor Industry Organisation (RMI), we pledge to:

- Provide quality products and services at a fair and reasonable price.
- Honour both the letter and spirit of any guarantee accompanying the sale of these products and services.

In the event of a complaint or dispute between ourselves and a customer, that cannot be settled at management level, our customer will be able to take the matter to the appropriate Complaints Committee of the RMI.



This code remains the property of the Retail Motor Industry Organisation (RMI).



Expiry Date: 30 June 2025

Incorporating



ARA



NADA



SAMBRA



SAPRA



SAVABA



TEPA



VTA



ARA

CODE OF ETHICS

Accredited members of the Automotive Remanufacturers' Association (ARA), agree to adhere to its Code of Ethics, which is the basis of the motor industry's standard of best business practice.

Workmanship

- To perform high-quality repairs.
- To use only proven merchandise of high quality.
- To employ suitably or appropriately qualified personnel.

Administration

- To provide the customer with a written price estimate for parts and work to be performed.
- To obtain prior authorisation for all work done, in writing, or by other means satisfactory to the customer.
- To furnish an itemised invoice for parts and services rendered.

Warranty

- To furnish and honour all warranties covering services completed.
- To promote good will between all parties concerned.

Service excellence

- To notify the customer if appointments or completion promises cannot be kept.
- To exercise reasonable care for the customer's property while in our possession.
- To maintain a system for the fair settlement of customer complaints.
- To uphold the high standards of our profession and always seek to correct any and all abuses within the motor industry.

Integrity and compliance

- To uphold the integrity of all members of the Automotive Remanufacturers' Association.
- To always be in strict compliance with all related legislation, regulations and industry standards.

J R MACKAYS DIESEL AND
MOTOR ENGINEERING (PTY) LTD
ARA MEMBER

AC-AR1001149
MEMBERSHIP NUMBER

Expiry Date: 30 June 2025



Proud Association of



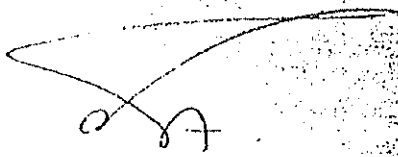
Standard Bank of South Africa Limited

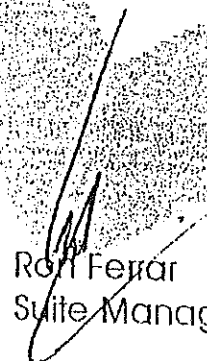
J R MacKay's Diesel and Motor Engineering CC

This is to certify that the corporation has banked with our institution since 1948. We thank you for this excellent longstanding relationship and present you with this gift as a token of our appreciation of your loyal support.

Given

This 27th day of April 1999


Chad Smith
Relationship Manager


Ron Ferrar
Suite Manager

20 June 2016

Mr Bertie Van Der Merwe
JR Mackays Motor & Diesel (Springs) (L140713878)
P O Box 431
SPRINGS
1560

Dear Mr Van Der Merwe,

APPROVAL FOR APPRENTICE / LEARNER TRAINING AT THE WORKPLACE

The merSETA has pleasure in informing you that your workplace has been granted approval to train in the following discipline/s:

Automotive Machinist, Automotive Engine Fitter

Please note that merSETA Client Liaison Officer or Quality Assuror will be conducting monitoring, assessments and capacity building visits throughout the training of the learners or apprentices without prior notice.

Should you require any assistance or further information, kindly contact the Client Liaison Officer at the respective regional office.

Yours sincerely,



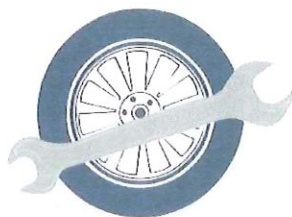
NAPHTALY MOKGOTSANE
Manager Quality Assurance

merSETA Head Office
95 7th Avenue Cnr Rustenburg Road, Melville, Johannesburg, 2109
P O Box 61826, Marshalltown 2107
Telephone No: 010 219 3000 Website: www.merseta.org.za

Document Title	Workplace Approval Letter		
Document Number	ETQ-TP-003	Date Compiled	31 January 2009
Page Number	Page 1 of 1	*Last Revision Date	30 October 2014
Revision Number	Rev 04	Access	Controlled
Review: Senior Manager LETQA		Approved: CEO	

20 June 2016

*The document with the latest revision date is the current official document



0839

**MOTOR INDUSTRY TRAINING BOARD / MOTORNYWERHEID OPLEIDINGSRAAD
INCORPORATED INTO MERSETA / GEÏNKORPOREER IN MERSETA**

Accreditation Akkreditering

*This is to certify that -
Hiermee word verklaar dat -*

J R MACKAYS DIESEL & MOTOR ENGINEERING CC

*meets the standard of proficiency in **TRAINING** as determined by
the Motor Industry Training Board*

*voldoen aan die standaard van bevoegdheid in **OPLEIDING**
soos vasgestel deur die Motornywerheid Opleidingsraad*

in the trade / in die ambag

**AUTOMOTIVE MACHINIST /
MOTORVOERTUIGMASJENWERKER**

*as prescribed in terms of Sections 31, 32 and 34 of the Manpower Training Act, 1981
soos voorgeskryf ingevolge Artikels 31, 32 en 34 van die Wet op Mannekragopleiding, 1981*

*Date Accredited : 4 JULY 2000
Datum Geakkrediteer : 4 JULIE 2000*

Chairman / Voorsitter

General Manager / Hoofbestuurder



VOLVO PENTA

24th February 2021

To whom it may concern,

For more than 100 years, Volvo Penta has provided power to customers around the globe—even in remote regions and extreme climates.

Volvo Penta is part of the Volvo Group, the world's leading manufacturer of trucks, buses, construction equipment and diesel engines.

Developing innovative new products and improving existing products is a source of pride for the entire Volvo Group. Although these products come to life in our research and development departments, the sparks that ignite new ideas come from our customers and the end users of our products.

It is essential that our customers have access to genuine Volvo Penta service and repair parts and competent aftersales expertise. I am extremely proud to confirm, since 2014, the partnership between Volvo Penta Southern Africa and JR MacKays Diesel and Motor Engineering Pty Ltd.

I am certain you will experience their professionalism and commitment to supporting Volvo Penta products in your area.

Kind regards,

Steve Griffin

Aftermarket Manager – Volvo Penta
Volvo Group Market
Southern Africa
Corner Jet Park road & Saligna street
Hughes business park
Witfield, Boksburg
Johannesburg, South Africa
1459

Telephone: +27 11 418 8038
Mobile: +27 84 983 5865 SMS: +27 84 983 5865
Telefax: +27 086 679 7231
e-mail steve.sg.griffin@volvo.com

Volvo Group Southern Africa (Pty) Ltd
P O Box 26005
East Rand 1462

Telephone
+27 11 842 5000

Directors
M.A. Horberg (Swedish)
I.H. Mellquist (Swedish)
V. Hobbs (South African)
M. D. K. Mthembu (South African)

Registration Details
2001/022060/07
Johannesburg
South Africa

DAIMLER TRUCK

Southern Africa

Certificate of Accreditation



Mercedes-Benz

Trucks you can trust.

Awarded to

JR Mackays Diesel & Motor Engineering (Pty) Ltd

Reg: No. 2005/044109/07

To carry out minor and major repairs on Mercedes-Benz Off-Highways Engines.

Valid from 01 August 2025 – 01 August 2027

Ziyad Gaba

VP: Customer, Service, Parts & Value Chain

Thabo Moloi

Head of Dealer Network



FUSO

FREIGHTLINER





CERTIFICATE OF AUTHORISATION

This is to certify that
J.R. Mackays
Diesel and Motor Engineering

having satisfied all requirements in terms of the
ADE PRONET Authorised Rebuilder Agreement, is
hereby officially authorised to rebuild ADE engines to
their original specifications.

Rebuilder:

ADE:

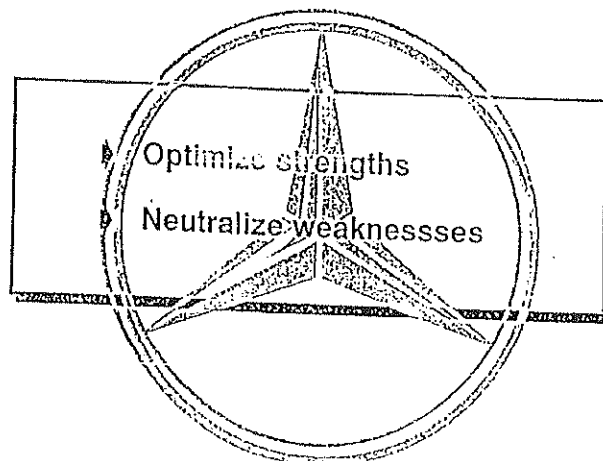
Date:

A handwritten signature in black ink, appearing to be 'J.R. Mackays', written over a horizontal line.

West Kensington

26 April 1990

MBSA Trading As ADEPART



NEW HOLLAND S.A.



14 INDUSTRY ROAD ISANDO
POSBUS 861 / PO BOX 861
ISANDO 1600
TEL : (011) 922-2000
FAXS / FAX : (011) 922-2108

INTERNET : www.nhsa.co.za

14 November 2006

J.R. Mackays Diesel and Motor Engineering (Pty) Ltd.
P.O. Box 431
Springs
1560

Att: Mr. Dirk Human

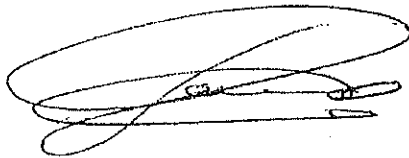
Dear Dirk

This letter serves to welcome you aboard as a New Holland SA customer and recognised rebuilder of our Fiat, Ford and New Holland tractor engines.

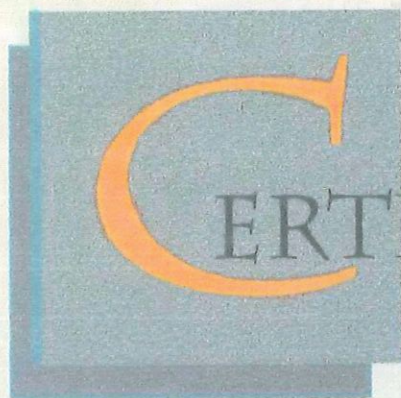
The use of genuine OE parts in your rebuilding process ensures a 6 month warranty on all parts as well as the full parts and technical support enjoyed by all New Holland dealers nationally.

We thank you for the opportunity to serve your requirements and assure you of our best attention.

Regards

A handwritten signature in black ink, appearing to be 'S. JACOBS', written over a horizontal line.

S. JACOBS
Manager – Parts Marketing and Customer Services



CERTIFICATE

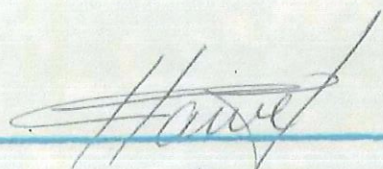
of

accreditation

AWARDED TO

J.R. Mackay's Motor Engineering cc

FOR THE REPAIRS AND
RECONDITIONING OF
TOYOTA/HINO/ADE ENGINES
FITTED TO THE ENTIRE RANGE
OF TOYOTA TRUCKS



Signature

26-01-1999

Date

 **TOYOTA S.A. TRUCKS**
Everything keeps going right

ENGINE RE-BUILDERS

Certificate Of Accreditation

For the repair and reconditioning of the Nissan Diesel and Renault Truck
range of diesel engines

Presented to

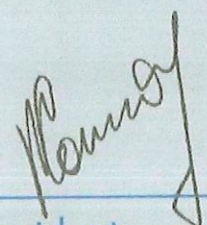
J. R. Mackay's Diesel and Motor Engineering cc

October 2000

Dated



National Service Manager

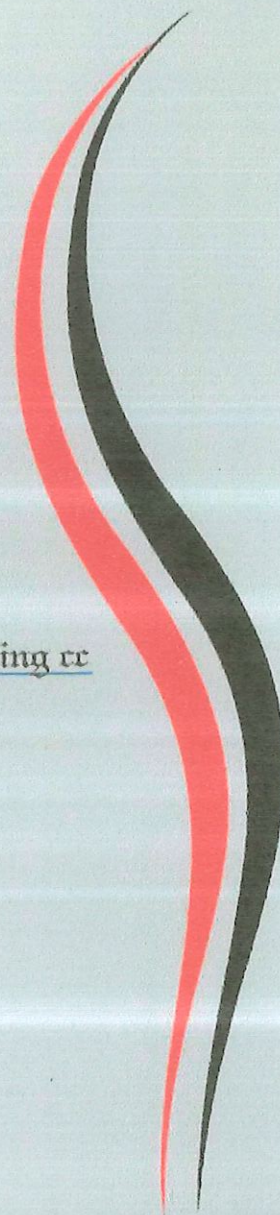


Vice President

**Nissan South Africa (Pty) Ltd
Truck Division**

 **NISSAN DIESEL**

**RENAULT
TRUCKS**





J.R. MACKAYS DIESEL and MOTOR ENGINEERING (Pty) Ltd.

Reg. No:2005/044109/07

TO WHOM IT MAY CONCERN

A SHORT HISTORY OF J.R. MACKAYS DIESEL & MOTOR ENGINEERING

J.R. Mackays Diesel & Motor Engineering began its operation in 1946 as has developed into a modern up to date automotive repair facility with specialized machinery for crankshaft grinding, reboring, line-boring, surface grinding, connecting rod resizing, cylinder head re-machining, complete engine rebuilding, assembling and dyno meter testing.

Our reputation for Quality and Service is unsurpassed.

Our expertise and workmanship on the engines are transferred to new artisans and this company also has been acknowledge as an **accredited training facility by Marseta since 2000**. Ongoing training with our qualified automotive machinist and assemblers in various fields on different types of engines.

We continually strive to have a safe working environment for our employees as prescribed by the Occupational, Health and Safety Act 1993 through baseline risk assessments and improvements.

J.R Mackays has been awarded a BBBEE level 4 in the generic enterprise score rating as per reference to the DTI Codes of Good Practice Gazetted 2013.

We repair and recondition all diesel and petrol combustion engines.

We are an approved VOLVO PENTA service provider for parts and field services.

We are an accredited repairer of minor and major Off-Highways engines on Mercedes-Benz by Daimler Truck SA.

We rebuild and dyno test all makes of engines - mechanical or electronic.

*We have a **EXPLOLAB** - SANS 868-1-1 permit to apply certification mark on flameproof engines in fiery mines.*

*Furthermore, we are the first SANS 868 permit holder company whom obtained the SANS 10274 (refurbish of diesel engines) certification with **Explolabs Certification Services**.*

We also have acquired our DEKRA ISO 9001:2015 certification for the reconditioning of diesel and motor combustion engines.

Our banking partner is Standard Bank since 1948.

We have a fairly large workshop with 115 employees and an average of 24 years of services with us, ensuring you of **TOP Quality Workmanship**.

We offer 24 hours Field Services.

Our guarantee for complete rebuilding of engines are 12 months or 1000 hours.

A visit by you would confirm all that we claim.

CP/ADMIN/073 – 08/08/2025

DIRECTORS: Mr D J HUMAN ; Mrs J J JONKER ; Miss J A WESSELS

Physical Address : 8 Second Avenue East , SPRINGS 1560 ☎ 431, SPRINGS 1560
☎ : (011) 811-1885 @ : jrmackay@mweb.co.za 🌐 : www.jrmackays.co.za