



## Position Description

### Mechanical Engineer (Level 4-5) Rolling Stock Operations

#### **Purpose:**

The primary purpose of this role is to undertake maintenance and repair of the KiwiRail's Rolling stock as required. The primary focus of this role would be to carry out the various maintenance checks, repairs, and servicing of the Rolling Stock as set out in the Rail operating code with the view to improve reliability and availability.

This is a hands-on role, working along with other mechanical engineers, locomotive maintainers and apprentices in a team environment, and may involve shift work depending on the Depot. Where required, the Mechanical Engineer will act as Team Leader or Supervisor at the request of the Manager.

Health and Safety is an important part of how KiwiRail operates. You will be a safety leader and will be expected to "walk the safety talk".

#### **Dimensions:**

<b>Reports to:</b>	Site Leaders/Workshop Manager
<b>Location:</b>	Local site/workshop some travel maybe required within regions
<b>Internal Contacts:</b>	Supervisors, Team Leaders Production & Materials Planners Mechanical Engineers Trade Assistants Apprentices Servicing Assistants Technicians/ Engineers Site HR & HSSE HSAT and RMTU delegates Audit Teams KiwiRail Freight teams
<b>External Contacts:</b>	Key Customers & Suppliers Auditors/ Regulators (as required) RMTU

## **Key Accountabilities**

<b>Mechanical Operations</b>
<ul style="list-style-type: none"><li>• Execute the maintenance, fault-finding, repair, and incident recovery of the assets being managed in a safe, efficient and effective manner to meet both the contracted and internal KPIs, and as required by the manager/ supervisor</li><li>• Carry out maintenance and repairs to Rolling Stock Assets and other associated equipment and/or vehicles in accordance with KR policies, industry and legislative safety rules, codes, procedures and practice. This will include but is not limited to the following activities:<ul style="list-style-type: none"><li>• Scheduled Maintenance checks</li><li>• Out of course repairs</li><li>• Incident recovery and repairs</li><li>• Other maintenance activities as directed</li></ul></li><li>• Undertake shunting, piloting and marshalling duties as required</li><li>• Train operators to use the production equipment in a safe manner, carry out daily checks, lubrications etc.</li><li>• Support your Team Leader and assist with completing all work safely, to the required quality standards and within the allocated time frame</li><li>• Use sound engineering practices and Safety Standards.</li><li>• Carry out routine maintenance work in compliance with the schedule.</li><li>• Work within the boundaries of your known and recognised competency levels</li><li>• Manage documentation professionally</li><li>• Have focus on the security of customers plant and equipment</li><li>• Have a clear understanding of scope of the job being executed</li><li>• Ensure good housekeeping to ensure health and safety of all staff; this will include but is not limited to the following activities; cleaning, other maintenance activities as directed.</li></ul>
<b>Zero Harm</b>
<ul style="list-style-type: none"><li>• Identifies hazards and shares with the team to reduce injuries</li><li>• Leads pre-shift briefings to the team to highlight hazards and associated risks with jobs for the day</li><li>• Promotes zero harm and identifies non-zero harm behaviours to ensure full team engagement</li><li>• Oversees correct allocation and use of Personal Protection Equipment (PPE) to ensure staff are appropriately protected for the task being completed</li><li>• Completes safety observations to ensure staff comply with rail operating code and rules, keep current in operational licenses and are operating safely</li><li>• Completes ORA (Operational Reporting Architecture) and incident reports in a timely manner to identify early intervention</li><li>• Promotes a clean and tidy workplace to prevent falls, trips and manual handling injuries</li></ul>
<b>Records Management</b>
<ul style="list-style-type: none"><li>• Ensures the accuracy and completion of check sheets to ensure compliance</li><li>• Reviews and timely closes work in SAP (i.e. business application software) to maintain a measurable record of activities</li></ul>

<ul style="list-style-type: none"> <li>• Uploads incidents into ORA in a timely manner to provide wider communication and trend analysis of incidents</li> <li>• Maintains up to date knowledge on business management systems to ensure a current level of compliance</li> <li>• Reviews KPIs / Scorecard regularly to track performance and identify areas for improvement</li> </ul>
<b>Leadership</b>
<ul style="list-style-type: none"> <li>• Communicates and demonstrates KiwiRail core values by leading by example the values through to the team</li> <li>• Takes a higher level view of the quality of the task to ensure early intervention and corrective action</li> <li>• Develops and mentors team members to build skills and confidence for delivering results</li> <li>• Identifies and reports to the team leader/ manager behavioural and performance issues at an early stage to actively manage and improve performance.</li> <li>• Assists in leading tool box meetings and encourages staff to have input to keep colleagues informed and engaged</li> <li>• When required, the Mechanical Engineer will act as Team Leader or Supervisor at the request of the Manager</li> </ul>

## **Person Profile**

<b>Essential:</b>	<b>Desirable:</b>
<ul style="list-style-type: none"> <li>• Prior experience in an Engineering environment, preferably with heavy industry or automobile industry experience and machine upgrades, or experience in locomotives, ships or similar.</li> <li>• Ability to run projects and small project teams.</li> <li>• Good knowledge of relevant Engineering specifications, standards, sound engineering practices.</li> <li>• A good knowledge of mechanical drawing, electrical &amp; pneumatic circuits and controls interpretation skills</li> </ul>	<ul style="list-style-type: none"> <li>• Knowledge of rail infrastructure codes and standards.</li> </ul>

## **Education:**

<b>Essential:</b>	<b>Desirable:</b>
<ul style="list-style-type: none"> <li>• Trade related experiences and/or proven mechanical (or other eg: fitting, diesel mechanic, boiler maker, coach builder) engineering, electronics or electrical background</li> <li>• Trade Certificate level 4 (or NZQA</li> </ul>	<ul style="list-style-type: none"> <li>• Tertiary qualification in engineering or electronics is preferred</li> </ul>

equivalent if from overseas): Electrical and Mechanical fitters, engineering, qualified Diesel, Auto mechanics, Rail or Industrial	
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