

# Position Description



Position Title	<b>Senior Mechanical Engineer</b>
Position No	00072929
Delegation Level	007
Job Designation	Engineering Officer
Organisational Unit	Rollingstock Specialist Engineering SEQ Operations
Work Centre	Mayne
Position Type	Permanent
Rail Safety Worker	Yes
Medical Fitness Standard	NHS Cat 3 ATTP
Performance Plan Type	Team Member/Tech Prof
Shiftworker	No
Classification (Range)	PT4 .1 - PT4 .4
Pay Scale Type	ASPT
Reports to Position	Principal Mechanical Engineer

## **QUEENSLAND RAIL VALUES:**

- 1 Queensland Rail - We do better together
- Treat others with respect - We appreciate everyone's contributions and differences
- Empower our people - We have confidence in our people
- Act Safely - We work safe, to go home safe
- Make a positive difference - We learn from today, to improve tomorrow

## **Position Purpose**

This role is primarily responsible for providing senior level mechanical expertise, including technical support, advisory services, and oversight of rollingstock projects. It also involves providing safety and operational guidance to Rollingstock Maintenance, Rollingstock Engineering, and other stakeholders to support the introduction, operation, maintenance, and all technical aspects of rollingstock and associated equipment.

## **Position Responsibilities**

1. Provide expert technical advice on rollingstock fabrication, modification, commissioning and testing requirements to Rollingstock projects.
2. Independently audit rollingstock projects, carry out investigations and make recommendations on the compliance of rollingstock in accordance with Queensland Rail specifications, standards and relevant legislation.
3. Complete engineering investigations to improve the safety, reliability and performance of rollingstock and associated equipment by monitoring rollingstock performance, developing investigation plans and complete tests, analyse data and make recommendations.
4. Develop scopes of work, specifications, instructions, design drawings and any other documents to the required standards in relation to rollingstock and associated equipment design and maintenance.
5. Manage safety, reliability and cost improvement projects in relation to rollingstock modifications, rollingstock overhauls and general maintenance.
6. Be familiar with and understand the principles and practices of Queensland Rail standards, relevant legislation and acts, and

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Queensland Rail business requirements to ensure technical compliance and assurance of rollingstock projects.

7. Provide technical support to servicing facilities and evaluate the suitability of equipment and work practices used in relevant depots and the impact to Rollingstock systems.
8. Mentor and coach engineers to maximise team performance by providing performance feedback, advice, encouragement, training and professional development.
9. Produce accurate performance reports and analysis using corporate management systems to support engineering decision making and project assurance.
10. Liaise and negotiate on a regular basis with rollingstock contractors and Queensland Rail technical and trade staff to ensure that Queensland Rail's requirements are understood and satisfied.

## **Additional Factors**

The appointee will be required to :-

- Comply with Queensland Rail's Code of Conduct;
- Observe all legal and safety obligations of the organisation;
- Undergo further training as directed;
- Travel both interstate and intrastate;
- Undergo annual Performance Appraisal;
- Operate in an autonomous manner with broad direction given by the Site Manager.

## **What is the key selection criteria**

1. Extensive knowledge of the technical operation, maintenance requirements, servicing and repair of rollingstock and associated equipment.
2. High level of skill in the implementation of quality improvement principles in relation to rollingstock reliability and performance improvement.
3. High level of skill in undertaking technical investigations, rollingstock tests, problem solving, component failure analysis, trial modifications and preparation of technical reports.
4. High level of skill in developing maintenance systems, strategies, scopes of work and modifications to improve rollingstock performance.
5. High level of communication, consultation, negotiation and engagement skills with a range of internal and external stakeholders and suppliers.
6. Substantial skill in the use of PC and mainframe based applications used in the rollingstock maintenance industry.
7. Knowledge of and willingness to commit to and work within Queensland Rail's Values and Behaviours.

## **Pre-employment Checks:**

Not Applicable

## **Pre-employment Qualifications:**

**What qualifications do I need to hold prior to applying for the position?:**

20100230 Bach Eng - Mech

## **Health, Safety and Environment Responsibilities**

Comply with the overarching document called Health, Safety and Environment Responsibilities MD-11-6843 located in the Safety and Environment Management System.

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## **Personal Protective Equipment needs:**

Head and Face protection  
Eye Protection  
Hearing Protection  
High Visibility Clothing  
Safety Footwear

## **Safety Publications**

Refer to relevant business instructions.

### **Please Note:**

Queensland Rail has a random alcohol and other drug testing program.  
Testing can occur anywhere, at any time, on any day.