



"SKILLING TOMORROW'S  
WORKFORCE TODAY"

# Australian Skills Group Newsletter

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## The Role of Diesel Fitters in Queensland Mining Operations

Australia's mining sector, worth billions of dollars, employs thousands of skilled workers to extract valuable resources such as minerals, coal, and metals. These resources are essential to a wide range of industries, from energy production to manufacturing electronics and jewellery.

**Among the critical roles in the mining workforce is the Diesel Fitter**, a professional responsible for maintaining and repairing diesel engines that power heavy machinery on mining sites. Diesel engines, known for their high torque, are well-suited for hauling heavy loads like rock and iron ore. Their cost-efficiency also makes them the preferred choice for mining operations.

Given that diesel engines are the driving force behind most mining equipment, Diesel Fitters play a vital role in ensuring the smooth running of a mine. They conduct routine maintenance and are experts in diagnosing and repairing diesel-powered machinery. On large mining sites, it's common to have multiple diesel fitters working simultaneously to keep the heavy equipment fully operational.

### Key Responsibilities of Diesel Fitters:

- Diagnosing, maintaining, and repairing diesel engines for machinery such as trucks, tractors, and bulldozers.
- Servicing hydraulic systems in lifts, booms, pumps, and buckets.
- Using MIG and TIG welding techniques to repair or replace damaged parts.
- Conducting performance tests on machine components to ensure functionality.
- Utilizing specialized tools to detect and fix faults in equipment.
- Adhering to workplace safety regulations and ensuring compliance with industry standards.

Diesel fitters are essential to the success of any mining operation, ensuring that the heavy-duty machinery critical to mining processes remains in top condition. For those looking to enter this crucial field, **Australian Skills Group** offers a Diploma of Diesel/Mechanical Fitting, equipping students with the skills and knowledge needed to work in the mining industry.

