



## INSTITUTE OF MATERIAL, MALAYSIA

### IMM Rotating Equipment Training Course

## Competent Mobile Industrial Compressor Operator Course

Code: MICO

*HRDF claimable*

Mobile air compressors are commonly used for maintenance/construction work in oil and gas facilities/sites. There is still a lack of knowledge on the safe operation and maintenance of diesel-powered air compressor for many work leaders, technicians and engineers. Industries need to address this problem urgently to ensure that all mobile air compressors are operated safely and maintained properly to avoid unnecessary downtime due to breakdown of mobile air compressor.

### Reference standards (reference used shall refer to the latest published document):

- TBA

### Who should apply

Work leaders, technicians and engineers

### Objectives

This one-day training aim to ensure that all site personnel that operates a mobile industrial compressor have reached a recognised level of operational knowledge and awareness and to enable them to work on site more efficiently and productively. It is also to ensure to validate existing skills of workers and is an alternative method of affirmation. This one-day training aim to provide participants with the much-needed basic knowledge and skills in the safe operation and maintenance of diesel-powered mobile air compressor.

### Course topics

- Introduction to basic parts and safety features of diesel-powered mobile air compressor
- Basic steps in operation of a typical diesel-powered air compressor
- Start system and fuel system
- Engine condition (oil leak) and engine cut off
- Shutdown device
- Guard (rotating parts), spark arrestor & exhaust systems
- Pressure relief valve and pressure gauge fitting, couplings, hoses and air vessel condition
- Maintenance's logs
- Lifting pad eyes/tyre condition and earthing/grounding conditions
- Basic maintenance of diesel-powered air compressor
- Procedures required in operating of diesel-powered air compressor in oil and gas facilities / site
- Inspect for frequently found defects in hose, Chicago coupling (quick release and threaded)
- Inspect air filter and needle gun/power brush/Bristle brush/Monti brush

### Course duration

1 day

### Pre-requisite(s)

No previous working experience is required.

### Certificate awarded

Certificate of attendance