



Mine Safety LEGISLATION UPDATE

No. 1/2010 (LU10-01)

18 March 2010

Guidelines for the renewal of item registration for diesel engine systems used in underground mines at a coal workplace

Clause 118 of the *Occupational Health and Safety Regulation 2001* (the Regulation) specifies requirements for the periodic renewal of item registration.

Clauses 118 (2) & (3) of the Regulation state:

- (2) *A person who has control of plant that is registered by WorkCover or the Department Head (Mining), as the case requires, under this Subdivision must provide WorkCover, at the intervals specified in guidelines issued by WorkCover or the Department Head (Mining) from time to time in relation to such plant, with such information concerning compliance with requirements relating to maintenance of the plant as WorkCover or the Department Head (Mining) may specify.*
- (3) *A notification under this clause must comply with the guidelines referred to in subclause (2) and must be accompanied by:*
- (a) *a statement, by the person who has control of the plant, that the plant has been maintained and is safe to operate, and ...*

In relation to diesel engine systems (DES) used in underground mines at a coal workplace this means the person in control of a DES must:

- provide the Department Head (Mining) at Industry & Investment NSW, at the intervals specified in guidelines, with information concerning compliance with the requirements relating to maintenance of the DES as the Department Head (Mining) may specify; and
- comply with the specified guidelines.

For the purpose of clause 118 and in relation to DES, the following is specified as guidelines for the maintenance of DES:

1. The DES must be maintained in accordance with the current version of *AS/NZS 3584.3: Diesel engine systems for underground coal mines – Maintenance*.
2. The DES inspection/maintenance system must ensure all safety features and warning devices on the DES are maintained and tested at appropriate intervals by appropriate methods.
3. The DES must be inspected, tested and maintained having regard to the procedures recommended by the designer/manufacture or as otherwise recommended and documented by a competent person.
4. All inspections, testing and maintenance carried out on the DES must be documented.

For further information contact your local Industry and Investment NSW Mine Safety office:

Maitland: 4931 6666 Armidale: 6738 8500 Broken Hill: 08 8088 9300 Cobar: 6836 6000

Lightning Ridge: 6829 9200 Lithgow: 6350 7888 Orange: 6360 5333 Singleton: 6571 8788 Wollongong: 4222 8333



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5. People undertaking safety inspections, tests or maintenance activities on the DES must be competent (and periodically assessed as being competent) for the particular DES.
6. Any explosion protected (Ex) DES overhaul, Code D examination, or Ex repair (being work that may affect the Ex properties of the DES) after 1 October 2010 must be carried out by a recognised service facility that is capable of undertaking the work in accordance with the current version of AS/NZS 3584.3 and AS/NZS 3584.2 : *Diesel engine systems for underground coal mines - Explosion protected*.
7. Each DES item registration must be renewed annually.
8. The name of the recognised service facility and the date of the last Code D examination must be provided when the DES item registration is renewed.
9. Inspections, testing, maintenance, Ex DES overhaul, Code D examination, or Ex repair activities must not alter the DES unless the alteration is design registered.

In this legislation update:

Alter means to change the design of (add to or take away from) the diesel engine system if the change may effect health or safety, but does not include routine maintenance, repair or replacement.

DES means those parts of a diesel engine system as defined in AS/NZS 3584.2 and AS/NZS 3584.3.

Ex Repair means to restore the explosion protection properties back to an operating condition but does not include routine maintenance, replacement or alteration.

Recognised service facility means an organisation that is:

1. Recognised in writing by the Senior Inspector of Mechanical Engineering (SIME) as being capable of undertaking code D examinations, Ex DES overhaul work, or Ex repairs in accordance with the current version of AS/NZS 3584.3 and AS/NZS 3584.2.
2. Carrying out work within the scope, limitations and conditions of their recognition.

Process for Recognition by SIME

An organisation may apply to the SIME for recognition as a recognised service facility.

The application must contain relevant information to show the organisation is capable of undertaking code D examinations, Ex DES overhaul work, or Ex repairs in accordance with the current version of AS/NZS 3584.3 and AS/NZS 3584.2.



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In particular the application must contain either:

1. Evidence of accreditation by the National Association of Testing Authorities, Australia (NATA), to AS/NZS 3584.3, in accordance with their inspection accreditation program; or
2. Evidence of accreditation by a body accredited within the Joint Accreditation System of Australia and New Zealand (JAS-ANZ) to AS/NZS 3584.3; or
3. Information relating to:
 - a. Organisation and management
 - b. Quality management systems in place
 - c. Personnel and competencies of supervisors and others who examine, service, maintain, overhaul and test DES
 - d. Work processes, inspection methods or procedures associated with DES (inspection, testing, examination, service, maintenance, overhaul, modification and testing)
 - e. Premises or facilities where work will be undertaken (buildings, mobile vans)
 - f. Tools and equipment (engineering support, tools, special test equipment, specialist repair equipment, calibration, etc)
 - g. Inspection records and reports
 - h. Subcontracting

The SIME or delegate may audit the recognised service facility and/or require the recognised service facility to be audited by an independent competent person.

Applications may be forwarded to:

Recognised Service Facility – Diesel Engine Systems
The Senior Inspector of Mechanical Engineering
PO Box 344,
Hunter Region Mail Centre NSW 2310,
or
minesafety.registration@industry.nsw.gov.au

Signed

Rob Regan
DIRECTOR
MINE SAFETY OPERATIONS BRANCH
INDUSTRY & INVESTMENT NSW