

Fire Extinguisher in Vehicle-Carbon Dioxide (CO2)

| Activity | | Type Of Service | | | | |
|-----------------------------|---|-----------------|---|---|---|---|
| | | A | B | C | D | E |
| Last Issue Date: 07/08/2020 | | | | | | |
| 1 | Prior to starting the service refer to Activity 18 for the 5 yearly requirements if applicable. | | | Y | Y | |
| 2 | Check fire extinguisher is conspicuous, readily accessible and in its assigned location. | | | Y | Y | |
| 3 | Check that the anti-tamper device is intact. | | | Y | Y | |
| 4 | Check that the extinguisher is clean and the operating instructions are legible. | | | Y | Y | |
| 5 | Check that the service record tag or label is firmly attached to the extinguisher. | | | Y | Y | |
| 6 | Check that the extinguisher, including any attachments, is not damaged (See AS 2337.1). | | | Y | Y | |
| 7 | Check that the exterior of the extinguisher is not pitted or otherwise damaged by corrosion (See AS 1851 clause 10.2.5 and AS 2337.1). | | | Y | Y | |
| 8 | Check that the hose is securely fitted, the nozzle is securely attached, the assembly is free from obstruction, and the hose shows no cracking or otherwise signs of damage or deterioration. | | | Y | Y | |
| 9 | Check that the pressure indicator (where fitted), is registering within the operating range, and is operating correctly. | | | Y | Y | |
| 10 | Check extinguisher weight to determine that it is fully charged. | | | Y | Y | |
| 11 | Check that the location sign is visible in accordance with AS 2444. | | | Y | Y | |
| 12 | Check that the appropriate support bracket is securely attached to the wall or other suitable feature. | | | Y | Y | |
| 13 | Check that the appropriate discharge nozzle is fitted and is not blocked or damaged. | | | Y | Y | |
| 14 | Determine, where possible and without discharging any contents, that the actuating device is free of corrosion, moves freely and is undamaged. For the 5 year service, also check that any cutting edge is sharp, and all sealing gaskets are in good condition. | | | Y | Y | |
| 15 | Check that the fire hazard / risk to be protected has not changed. | | | | Y | |
| 16 | Check that the extinguisher is the correct type, class, size and / or rating for the hazard to be protected. | | | | Y | |
| 17 | Check that no alterations have been made to the vehicle / vessel etc that may impede access to the extinguisher or increase the travel distances to more than those specified in AS 2444 or the approved design. | | | | Y | |
| 18 | SPECIAL NOTE: The following activities are for the recharge and test or replacement of the fire extinguisher which is required to be done every 5 years. However, the fire extinguishers are to be checked during the C and D services and if the 5 year mark has arrived for any of the fire extinguishers then either option 1 (activity 20) or option 2 (activity 21) is to be undertaken while on site for that routine service. | | | Y | Y | |

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| Activity | | A | B | C | D | E |
| 19 | Determine the option (either 1 or 2) which has the lowest cost and undertake the activities as applicable. | | | Y | Y | |
| 20 | Option 1 (activity 20 & 30 only): Replace the fire extinguisher with a new and recently manufactured unit. Undertake any required checks. See Special Comments for more details. | | | Y | Y | |
| 21 | Option 2 (activity 21 to 30 inclusive): Recharge and test the fire extinguisher as outlined below. | | | Y | Y | |
| 22 | Check that the extinguisher functions in accordance with the operating instructions and that the discharge is satisfactory. | | | Y | Y | |
| 23 | Check that the internal discharge tube provides clear passage, is securely attached, and there is no evidence of moisture or foreign matter in the cylinder. | | | Y | Y | |
| 24 | Check that the interior of cylinder is clean, is not pitted by corrosion (see AS 2337.1), and any internal lining is in good condition. This examination shall be in accordance with AS 2030.5, and is only to be performed at a Gas Cylinder Test Station certified by a Registered Certifying Body (see AS 2337.1). | | | Y | Y | |
| 25 | Check that the operating head or cap seal is in good condition. | | | Y | Y | |
| 26 | Subject the extinguisher body to a hydrostatic pressure test, in accordance with the requirements of AS 2030.5, at a Gas Cylinder Test Station certified by a registered certifying body (see AS 2337.1). | | | Y | Y | |
| 27 | Recharge the extinguisher with fresh extinguishing agent, as specified on the extinguisher label, in accordance with the manufacturer's instructions. | | | Y | Y | |
| 28 | Renew all seals and gaskets fitted to the actuating device, operating head or cap. | | | Y | Y | |
| 29 | Check if there are any leaks at the joints and seals that were renewed or disturbed during recharging. | | | Y | Y | |
| 30 | Record the results in the log book, and submit a report of the quantity serviced and those not serviced per vehicle / vessel per level, including noting how many have been replaced (option 1) and how many have been recharged and retested (option 2). | | | Y | Y | |

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Special Comments and Technical Data

C SERVICE 6 MONTHLY

D SERVICE ANNUALLY

THE FIRE EXTINGUISHERS LOCATED AT THE SITES WILL VARY IN AGE. THUS AN 'E SERVICE' (TO REPLACE OR RECHARGE & TEST) EVERY 5 YEARS IS IMPRACTICAL AND SHOULD BE DONE CONCURRENTLY WITH THE GENERAL 'C OR D SERVICE' WHEN DUE.

ADVERSE OPERATING ENVIRONMENTS MAY REQUIRE THE SERVICING FREQUENCIES TO BE INCREASED, SEE AS 1851, CLAUSE 1.13.

MAINTENANCE TO BE UNDERTAKEN IN ACCORDANCE WITH AS 1851. FOR SPECIFIC REQUIREMENTS FOR CO2 EXTINGUISHERS SEE AS 1841.6.

REFER TO AS 1851 CLAUSE 1.16 FOR DETAIL ON RECORD KEEPING.

REFER TO AS5062 FOR INFORMATION ON FIRE PROTECTION FOR MOBILE AND TRANSPORTABLE EQUIPMENT EG VEHICLES, VESSELS ETC.

HYDROSTATIC PRESSURE TESTING TO BE DONE 5 YEARS FROM THE DATE OF MANUFACTURE, NOT THE DATE OF SUPPLY OR INSTALLATION.

(TO NOTE: THE ACCEPTABLE TIME LAPSE FROM MANUFACTURE TO INSTALLATION IS GENERALLY WITHIN 3 MONTHS - NO MORE THAN 6 MONTHS.)

THIS TDS IS TO BE USED FOR CO2 EXTINGUISHERS LOCATED IN VEHICLES, VESSELS ETC.

FOR CO2 EXTINGUISHERS INSTALLED IN BUILDINGS REFER TO F21.

APPLICABLE LEGISLATION: MINISTERIAL BUILDING STANDARD MBS 002 - MAINTAINING THE PERFORMANCE OF ESSENTIAL SAFETY PROVISIONS.

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