



Using the Mobile Diesel Fuel Bowser

There are European regulations which govern the design, testing and manufacture of containers for dangerous goods. The Carriage of Dangerous Goods by Road Regulations classifies diesel as a dangerous substance.

If dangerous goods are being transported by road then they must be conveyed in a container which complies with ADR. ADR is an international agreement – implemented in the UK by regulation and in Europe by a directive. The hire company must be able to supply an IBC approval certificate, an up to date certificate confirming a leak proof test and an identification plate will be attached to the container. The mobile diesel fuel bowser must be suitable for diesel oil and designed to comply with current EU Environmental Regulations for the elimination of accidental spillage. The outer container bund must be in excess of 110% capacity of the inner container.

For diesel loads in excess of 1000 litres or 220 gallons transported by road, the vehicle driver must have undergone training and hold a special licence.

1. No smoking and no naked lights in the vicinity of the mobile diesel fuel bowser.
2. Always dispense diesel fuel in the open air and not inside a building.
3. Diesel fuel should only be dispensed into approved containers.
4. Do not dispense diesel fuel directly into an approved container – always use a pouring spout or funnel.
5. If any clothing is splashed with diesel fuel, change it immediately.
6. Spillages or leaks pose a number of hazards, do not overfill a tank and make sure that the filler cap is securely in place and not leaking.
7. Be aware that diesel fuel expands and vapour can build up in hot weather. Do not fill to the top – leave sufficient capacity to allow for expansion.
8. Approved containers should not be overfilled and should be securely fastened during transit to prevent them falling over and leaking.
9. Be aware that spillages on the road surface can create slippery conditions that are a major hazard to other road users, especially those on two wheels.

Please keep this leaflet safely as it may be required for future reference



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Mobile Diesel Fuel Bowser

The rules and procedures in force where people are at work may require the person responsible for this equipment to carry out a specific risk assessment.

It is important to read this entire leaflet BEFORE using the Mobile Diesel Fuel Bowser



1. Plan the use of the Mobile Diesel Fuel Bowser so that it can always be used safely.
2. Take care whilst loading/moving this equipment; in particular onto and off vehicles, as its weight is unevenly distributed. Observe good lifting practice and wherever possible share the load.
3. The mobile diesel fuel bowser is designed to store and dispense diesel fuel oil. Do not use it for any other purpose.
4. Moving the mobile diesel fuel bowser can cause injury or damage if not carried out in a careful and controlled way, especially if it contains fuel oil.
5. If you have not used a diesel fuel bowser before, familiarise yourself with the equipment before you start work.
6. You should wear the following items of personal protective equipment: safety boots (EN345 or BS1870 / 4972); safety helmet (EN397 or BS5240); rubberised gloves designed for handling fuel, impact resistant goggles: EN166 – B or BS2092 grade 1;
7. This diesel fuel bowser must not be used by minors, or by anyone under the influence of drugs or alcohol.
8. This diesel fuel bowser is designed for operation by an able-bodied adult. Anyone with either temporary or permanent disability must seek expert advice before using it.



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WORK AREA

Strictly no smoking and no naked lights in the vicinity of the mobile diesel fuel bowser.

1. If you are using this equipment continuously in the same area, or where other people may pass, put up barriers, or warning signs to protect others by preventing anyone entering your work area.
2. Make sure that your work area is clear and safe and that no one is near to you or could distract you.
3. You should not position a mobile diesel fuel bowser on rough or soft ground. The floor must be firm, level and hard, such as smooth concrete, level paving slabs, wooden floor or similar.
4. When in position, if the mobile diesel fuel bowser has a brake, ensure that it is applied. If the mobile diesel fuel bowser is not fitted with a brake ensure that chocks are used to prevent the wheels from moving.
5. This mobile diesel fuel bowser is either manufactured from, or has components made from steel, keep it away from overhead electric fittings and cables.
6. It is **mandatory** to deploy a drip tray to collect any diesel fuel bowser more than 50 metres from a borehole or 10 metres from any inland freshwater or coastal water. This **includes** all rivers, lakes, streams, ditches and perforated drainage pipes. If this is not possible seek advice from the hire company.
7. It is **mandatory** to deploy a drip tray to collect any diesel fuel leaks from the mobile diesel fuel bowser and any ancillary pipework and taps to avoid ground contamination

Before Starting Work...



8. Ensure that any hoses are laid out carefully, avoiding sharp edges, doorways or windows, where they might get trapped.
9. Ensure that any hoses are properly laid out to avoid any tripping hazards for pedestrians or passers-by.

OPERATORS

1. The following items of personal protective equipment (ppe) are the minimum that should be worn whenever you are near the mobile diesel fuel bowser. Particular jobs or environments may require a higher level of protection.
2. You must wear safety boots (EN 345 or BS1870 / 4972).
3. You should wear a safety helmet (EN397 or BS5240) whenever you are working above head height or when someone is working above you. On a construction site you must wear a helmet at all times.
4. Depending on the job you are doing you may need goggles; EN166 or BS2092; and a dust mask with a minimum of EN149:2001ffp2 protection;
5. Rubberised gloves designed for handling diesel fuel.
6. Anybody who is working near to the mobile diesel fuel bowser will also need to wear appropriate personal protective equipment.

TOWING

1. Before you tow the mobile diesel fuel bowser, ensure that your current driving licence and insurance allows you to do so. Most drivers who passed their test before 1 January 1997 have licence categories allowing them to drive vehicle and trailer combinations weighing up to 8.25 tonnes. Drivers who passed their driving test beyond this date should seek clarification that they are licensed to tow a mobile diesel fuel bowser.
2. Ensure that you observe the correct procedure for attaching and removing the mobile diesel fuel bowser from your vehicle.
3. Observe the legal requirements regarding lighting boards and the correct methods of connecting the board to your vehicle's tow hitch.
4. Ensure that any safety devices, such as a breakaway cable, fitted to the towing bar and ball hitch is securely attached, engaged and used correctly.
5. Always keep to the legal speed limit for the road you are using. Speed limits for vehicles towing trailers are – **30mph** limit applies on all roads with street lighting unless signs show otherwise. **50mph** applies on single carriageways unless signs show otherwise. **60mph** applies on dual carriageways and motorways.

It should be remembered that you must not travel in the right-hand lane of a motorway, with three lanes or more, if you are driving a vehicle drawing a trailer.

6. If you tow a small mobile diesel fuel bowser without brakes, the weight of the unit is limited to 50% of the kerb weight of the car or 750kg whichever is less.
7. When towing larger mobile diesel fuel bowser, the weight of the bowser should not exceed 85% of the kerb weight.
8. Your vehicle manufacturer will state the maximum towing limit of your vehicle in the vehicle handbook. You must take into account the diesel fuel, which may be in the unit. It is recommended that wherever possible as much as possible of the diesel fuel is removed before transporting the mobile diesel fuel bowser.
9. When reversing the mobile diesel fuel bowser, get out of the vehicle and check that all is clear to the rear before making the manoeuvre. Look out for children and pedestrians. If possible, get a competent person to watch while the manoeuvre is made.
10. **WARNING!!** Never reverse a trailer without checking behind because of the huge blind spot. Ideally, have a competent person see you back, especially in crowded places.
11. Periodically inspect the condition of the tyres and check the tyre pressures regularly.
12. You will need to be aware that a vehicle, when towing, will take longer to stop, accelerate and turn when compared to a vehicle on its own.



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