

**Toolbox Talk Details**

Title	C08 - Petrol, diesel and LPG
Reason	Many sites store and use large quantities of fuel, which creates hazards. By being aware of the risk and taking appropriate mitigation action, the chance of an accident can be reduced or eliminated.
Outline	This talk covers the hazards created by different fuels and the precautions necessary.

**Petrol**

1. Usually, only small plant (such as cut-off saws and chainsaws) run on petrol.
2. Petrol fumes are highly flammable – only refuel plant in designated, well-ventilated areas.
3. Do not store excessive quantities of petrol.
4. Petrol must only be stored in purpose-designed containers – 10 litres maximum (5 litres in a plastic container).
5. No smoking or other sources of ignition are allowed in areas where petrol is stored or decanted (transferred from one container to another).

**Diesel**

1. Diesel should only be stored at a designated refuelling point.
2. Protective gloves should be worn when handling diesel oil because contact with your skin can result in irritation.
3. Spilt diesel will cause a slip hazard on hard surfaces.
4. Diesel oil should be stored in bowsers, tanks, metal drums or cans in a secure bunded area.

**Liquefied petroleum gas (LPG)**

1. LPG is used mainly as a fuel for small plant vehicles (such as dumpers and forklift trucks).
2. Cylinders for forklift trucks are of special construction and designed to be mounted on their side.
3. Cylinder connectors and other unions have a left-hand thread.
4. Use the correct size spanner for tightening connections; hand-tight connections will leak.
5. LPG vapour is heavier than air; leaked gas will accumulate at floor level or in drains if not allowed to disperse.
6. LPG vapour is highly flammable and must be kept away from sources of ignition, such as naked flames and sparks.
7. If there is a fire on site and gas cylinders are in the area, inform the emergency services so that they can react accordingly and evacuate the area.

**Fuel storage**

1. Storage areas must be secure, bunded where required, well-ventilated and away from sources of ignition and watercourses.
2. A spill kit should be available and fuel should be stored away from drains and watercourses.

Revision Date	Assessed By	Signature
January 2021	Michael Reddan	