

Hazard Warning / Safety Alert

— 19.01.17



Make sure your gas pipelines are regularly inspected- That old systems are modified to incorporate modern safety features.

Recently one of our customers had a serious incident involving acetylene and oxygen pipelines.

A fire started in a confined space. The cause of the fire is unknown at this time.

The fire ruptured the oxygen line and the escaping oxygen caused the fire to escalate.

The combination of the oxygen and fire created the conditions to form a thermal lance and the acetylene pipe line was cleanly cut. The acetylene and oxygen mixture continued to burn and the fire spread to the floor above.

The lack of safety controls such as flash back arresters on the pipe work system and the poor condition of the pipework due to its age allowed the fire to spread.

Luckily the fire was extinguished by the local fire brigade without loss of life or injuries.



Pic1 Acetylene Pipe

We were requested to repair the damage but when we inspected the acetylene line it was in poor condition we could only recommend that it be totally replaced.

This customer did not have a maintenance contract with us. If so, the incident could probably have been avoided as the equipment would have been inspected and pressure tested by one of our trained technician on a regular basis.

Our maintenance contract service offers the following:

We will for a fixed labour charge inspect your piped gases installation either 2 or 4 times per year.

That inspection will include the following:

1. Pressure test of your pipework to ensure that the pipework is in good condition. We will pressurise the system to 1.25 times its normal operating pressure (for acetylene pipes up to 1.5 bar) so if there are any weaknesses they will show up in this controlled environment.



Pic2 Oxygen Pipe

2. Visually inspect all visible pipelines, gauges, valves, HP flexible hoses, auto drains and associated pipework.
3. Service any equipment such as compressors, vacuum plant, cylinders and manifolds.

We will issue a certificate to confirm the maintenance test has being satisfactorily completed.

The contract also includes an all year **emergency call out service**.

This service is

1. Free 24/7 telephone assistance and advice service.
2. Guarantee to have one of our fitters on site within 24 hours (there is an extra charge for this)

Dealing with MIPS will give you peace of mind as

- A. We are fully insured to carry out this work
- B. We have over 40 years' experience
- C. Our fitters are fully trained
- D. We are ISO 2008 company
- E. We are members of British Compressed Gases Association (BCGA)

To arrange for a survey inquire about a maintenance proposal please call Christiana on (01) 8250677 or email her at christiana.timi@mips.ie



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