



Boat Chat Checklists For Boat Owners & Surveyors

Liquefied Petroleum Gas System

Be critical - LPG systems have the potential to do serious damage to your health and wealth.

No.	Check	Good	Bad
1	Check the LPG cylinder is in good condition and not rusty / dented.		
2	Check that the LPG cylinder is well secured within the gas locker (<25mm travel).		
3	Check the hose / regulator attachment to the LPG cylinder is tight.		
4	Check the flexible gas hose clamps are tight and are good quality stainless steel jubilee clips like these: https://amzn.to/45ZhhPk		
5	Check the gas hoses are labelled BS 3212-2, are flexible, not cracked and are less than 10 years old. If in doubt, replacing one is a DIY task: https://amzn.to/44PJzuo		
6	Check the regulator is a marine grade regulator (BS12164 / 16129 Annex M) and is free of corrosion.		
7	Check the gas locker drain is ideally 19mm diameter or greater, clear of debris and drains overboard and not into the bilge (throw a bucket of water in to check)		
8	Check as much of the copper pipework as you can access. Check it is well supported, free of damage and kinks (and you'll then know where it runs).		
9	Check that any pipework is protected from chafe where it passes through bulkheads and accommodation linings.		
10	Check that any connections and unions in the copper pipe are tight.		
11	Check there is a labelled gas tap fitted to isolate every appliance that uses gas.		
12	Check the cooker has flame supervision devices fitted.		
13	Check the carbon monoxide detector is approved to BS EN 50291-2:2019 and TEST IT. Find a marine grade CO detector on Amazon: https://amzn.to/3rjyiVl		
14	Use the gas leakage tester (aka bubble tester) to check for leaks with the system pressurised. Don't have one, look at getting one fitted: https://amzn.to/3sZ6WV6		
15	Consider the fixed ventilation in the vessel. How easy is it for fresh air to get in and any carbon monoxide, gas and moisture out? Are the fixed vents clear and working?		
16	Test the bilge gas alarm. Don't have one, look at getting one fitted: https://www.envinsci.co.uk/product/pilot-mini-gas-alarm/		
17	Finally light the appliance/s, check the flame is crisp and blue and not 'lazy' or 'floppy', yellow or sooty.		

If in any doubt, find your local Gas Safe Register engineer qualified to work on LPG systems on boats at:
<https://www.gassaferegister.co.uk>

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<https://www.buymeacoffee.com/whitehatmarine>