













Fuel Breather Overflow Problem

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Author	Message
<p>gazelle</p> <p>Joined: 09 Oct 2005 Posts: 2</p>	<p>Posted: 09 Oct 2005 04:32 pm Post subject: Fuel breather overflow problem   </p> <hr/> <p>We have a problem whilst refueling our B36 Holiday.</p> <p>Diesel spurts out of the breather pipe several times during the fueling process. There does not seem to be any rhyme or reason as to when it occurs, but it occurs every time the boat is refueled.</p> <p>Does any one know what is causing this issue, or what can be done to resolve it?</p>
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<p>Éternité BOA Committee</p> <p>Joined: 24 Oct 2004 Posts: 25</p>	<p>Posted: 15 Oct 2005 04:46 pm Post subject: Diesel   </p> <hr/> <p>Our B34 is the same. It's so slow. Our new B37 has the filler on the deck instead of on the stern, I wonder of this will be any better?</p> <p>Geoff</p>
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<p>Saloma</p> <p>Joined: 07 Jan 2005 Posts: 5 Location: Liverpool</p>	<p>Posted: 31 Oct 2005 12:01 pm Post subject: Fuel tank Breather.   </p> <hr/> <p>We had a problem with the breather on our B34 when it was delivered, christmas 2001. Close inspection of the flexible clear pipe at the point that it fits to the through hull fitting revealed it had taken on a 'U' shape, capable of storing a small quantity of fuel that could be forced up the breather pipe during fuelling, or worse, it could also store a small quantity of sea water which may enter the breather fitting in very rough conditions. We were concerned that it could eventually enter the fuel tank.</p> <p>Our solution was to remove the through hull fitting and to manufacture a new one, on which the incoming metal spigot points up at an angle so that the flexible pipe has to rise to the underside of the deck, before falling to the fuel tank.</p> <p>I suspect if you look at your breather pipe you will find there is a small amount of fuel lying just behind the breather outlet and depending on the speed with which you fill the tank, the build up of air pressure, instead of escaping through the trapped fuel, simply lifts it out of the breather.</p> <p>We decided that the breather as supplied could not be trusted to keep sea water out of the fuel tank and that was our only reason for making the modification. You can however take some comfort from the fact that no one seems to be reporting this as a common problem, but then again, how many boats go out for long periods in severe weather?</p> <hr/> <p>Boat owner 14years Raced in Irish sea for 10years Manufacture and fit own extra equipment Carry out all maintenance on own B34</p>
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<p>Éternité BOA Committee</p> <p>Joined: 24 Oct 2004 Posts: 25</p>	<p>Posted: 15 Jan 2006 07:26 pm Post subject: B34 Fuel Pipe   </p> <hr/> <p>Having just read the reply re the dip in the pipe. This was the problem with our 34, too late to correct it, sold it. Would turning the fitting up side down work? I can't check as the 37 is different.</p> <p>Regards,</p> <p>Geoff</p>

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Saloma

Posted: 31 Jan 2006 01:31 pm Post subject:

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Joined: 07 Jan 2005
Posts: 5
Location: Liverpool

I Would not recommend turning the fitting upside down. If you look at how it is designed you will see that the air inlet is on the underside. If you turn it upside down this would then be on the top. Rain and sea water running down the transom would enter the air inlet and go down the breather pipe into your fuel tank. Not a good idea me thinks!

Boat owner 14years
Raced in Irish sea for 10years
Manufacture and fit own extra equipment
Carry out all maintenance on own B34

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gazelle

Posted: 01 Feb 2006 07:39 pm Post subject:

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Joined: 09 Oct 2005
Posts: 2

We are sourcing a part from Timage Ltd who supply a breather fitting which will allow us to fix the per Saloma's response below. It has taken us some time to locate.

The fitting has a gauze air inlet which faces down, and a tail which points up.

We have solved the problem until we get the part by emptying out the trapped fuel in the breather pipe, and routing the hose as close to the deck as possible to minimise the ability to trap the fuel.

Our thanks go to Saloma for pointing us in the correct direction.

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