



## Club Meetings - Update

All future club meetings will now be held at :

**THE NEW INN HECKFIELD, HOOK, HAMPSHIRE, RG27 0LE**

Meetings will commence at 7pm on the second Monday of the month.

The next meeting will be on **Monday 14<sup>th</sup> August**

## Club Events

August 14<sup>th</sup> Quiz

August 16<sup>th</sup> Mid week run to Hinton Ampner

August 20<sup>th</sup> Kempton Steam museum – contact Don before 5<sup>th</sup> August

Sept 11<sup>th</sup> Film night

Oct 9<sup>th</sup> Guest Speaker - Bee Keeping

Nov 13<sup>th</sup> Auction Night

Dec 10<sup>th</sup> Christmas Lunch

## Other Events – 2023 (Please check before going)

Blackbushe Car Meet – last Sunday of each month

Fleet Classic car club – Wednesday evenings at Tweseldown pub, Beacon Hill Road

August 6<sup>th</sup> -Robert Lewis Museum, Churt, in aid of Phyllis Tuckwell.

August 12<sup>th</sup> Chertsey Classic car show (KT16 8LN) –

August 17<sup>th</sup>-20<sup>th</sup> Farnborough British Motor Show

August 27<sup>th</sup> & 28<sup>th</sup> Swallowfield show– contact Trevor Mulford.

Sept 2<sup>nd</sup> & 3<sup>rd</sup> Beaulieu International spares day

Nightjar – 11<sup>th</sup> Nov

## Recent Events attended by NHAEG



Trevor M at the Henley classic boats regatta on 14/16 July 2023. Unfortunately we have no pictures from the preceding day when a storm blew the tents away !

## Cylinder head Gasket Failure

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One of our members recently contacted the club Technical Adviser regarding a serious engine malfunction, this members car is a Mk2 Ruby saloon, because this incident occurred during the recent Covid90 pandemic, a house call was not possible.

So the only solution I could think of was to conduct question and answer sessions via Facebook messenger and photos.

Here follows the dialogue between us, with CM being the club member and TA being myself.

**CM** --Could you please give me advice, I recently returned from a short journey with great difficulty because of what I thought was a badly misfiring engine; your advice would be much appreciated.

**TA**---Your first step would be to establish if the engine is misfiring, to do this, run the engine at normal idling speed, then using a thickly isolated screwdriver, short out in turn each of the spark plugs, if a plug is firing normally the engine speed will drop, if the engine speed does not alter, then that is an indication the cylinder is not firing properly.

**CM**---I have carried out the tests, and found Nos 3&4 cylinders are not firing properly, shorting Nos 1&2 plugs actually stops the engine, I have fitted new plugs to Nos 3&4 positions without any improvement to the running of the engine, what next please?

**TA**---Carry out a visual inspection of plug leads and the distributor cap, if these are ok, then the next step will be a cylinder compression test, are you familiar with this procedure?

**CM**---Not really confident about the procedure, but I do have a good quality compression gauge.

**TA**---Remove all sparking plugs, place a weighted object on the accelerator pedal to ensure that the carburettor butterfly is fully open, next turn the engine using the starter motor and measure the compression on each cylinder in turn, make a record of the readings.

**CM**---I successfully carried the procedure and the readings are No1=90psi, No2=95psi, No3=10psi, No4=10psi.

**TA**---These readings clearly indicate serious problems in Nos 3&4 cylinders, either badly burnt valve seats, or a faulty head gasket. The next step will be to remove the cylinder head, please remember to drain the coolant water and disconnect the battery.

**CM**---I have sent you a photo of the cylinder block, the head gasket appears to be badly damaged between 3&4 cylinders.

**TA**---Congratulations, you have now come to the correct conclusion, now proceed with changing the head gasket.

**CM**---Can you please give me some guide lines?

**TA**---Yes, the face of the block must be shiny bright, also the cylinder head must be really clean, the head gasket is to be fitted with the beaded edge facing down to the cylinder block, after refitting the cylinder head, use a torque wrench set to 20lbs when engine is cold and repeat when it reaches working temperature.

**CM**--- Thank you, one last question, if you closely examine the photo, the valves in No 4 cylinder appear to be very clean, do you know what caused this condition?

**TA**---Yes, I can answer your question, in the early stage of the head gasket failure, coolant water is allowed to enter the cylinder, which then meets the hot gases of combustion which then turns the water immediately into steam, which in turn cleans the valve heads to give them the condition you noticed from the photo. Finally make sure the threads on the head stud & nut are clean and free from oil, otherwise it is possible for the torque wrench to indicate a false reading.



## Christmas Lunch

Sand Martins Golf Club has confirmed that they currently have availability on Sunday 10<sup>th</sup> December and the committee have provisionally placed this date on hold. The price will be £35.95 per person.

As in previous years, a token will be issued to everyone on arrival for 1 free drink (excluding spirits) and there will be lots of raffle prizes!

Please contact Andrew Barker if you wish to attend. Email: [barkerhammer@hotmail.co.uk](mailto:barkerhammer@hotmail.co.uk)

A deposit of £10 is now required, preferably by bank transfer:

Sort code 09-01-54, account 8006 6086, Please add Xmas & Surname in the reference field.

Stay safe  
NHAEG Committee