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And now for something completely different...



David Denzil/IST

The Gresley class P2 2-8-2 'Mikados' were the most powerful express passenger steam locomotives to operate in the UK. They were designed by Sir Nigel Gresley to haul 600 ton trains on the arduous Edinburgh to Aberdeen route. Sadly the design was never fully developed and they were rebuilt by his successor into ungainly 4-6-2s in 1943/4.

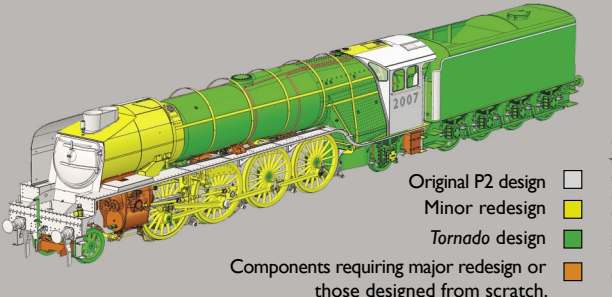
We have therefore decided to set ourselves a new challenge: to develop, build and operate an improved Gresley class P2 'Mikado' steam locomotive for main line and preserved railway use.

We estimate that No. 2007 Prince of Wales will cost around £5m to build over a 7-10 year period. As was the case with the construction of No. 60163 Tornado, funds are being raised through regular monthly donations (a P2 for the price of a pint of beer a week), donations dedicated to specific components, fundraising clubs focused on specific areas of work (boiler, tender, pony truck, turbo-gen, etc) and commercial sponsorship.

We have the expertise, the track record and a plan... But this can't happen without you. Thanks to our existing supporters' continued generosity, over £2.5m has been spent on construction and more than £3.0 raised so far.

Please either complete the form overleaf or email us at enquiries@p2steam.com for more information.

CAD model showing sources of design.




Original P2 design
Minor redesign
Tornado design
Components requiring major redesign or those designed from scratch.

Graphic: David Denzil/IST

BECOME A VOLUNTEER

There are many ways in which you can help us to build No. 2007 Prince of Wales and keep No. 60163 Tornado operating on the main line. There are opportunities to help wherever you live.

Please see our websites www.alsteam.com or contact volunteer@alsteam.com for more information.




Mandy Gout

Darlington Locomotive Works

Visit Darlington Locomotive Works on one of our open days and see where No. 60163 Tornado was completed and No. 2007 Prince of Wales is under construction.

The works is normally open on the first and third Saturday of each month between 11:00hrs and 16:00hrs. Special arrangements can be made for parties from interested clubs and societies. At the time of writing DLW is closed to visitors due to COVID-19 regulations. Please check www.alsteam.com for the current status.

Our grateful thanks go to Darlington Borough Council for their continued support of The Al Steam Locomotive Trust and Darlington Locomotive Works.




David Denzil/IST

Join the Tornado Team

The Tornado Team... for Tornado fans aged 5 - 15. Set up specifically for younger Tornado supporters, this group is vital to the future success of the locomotive.

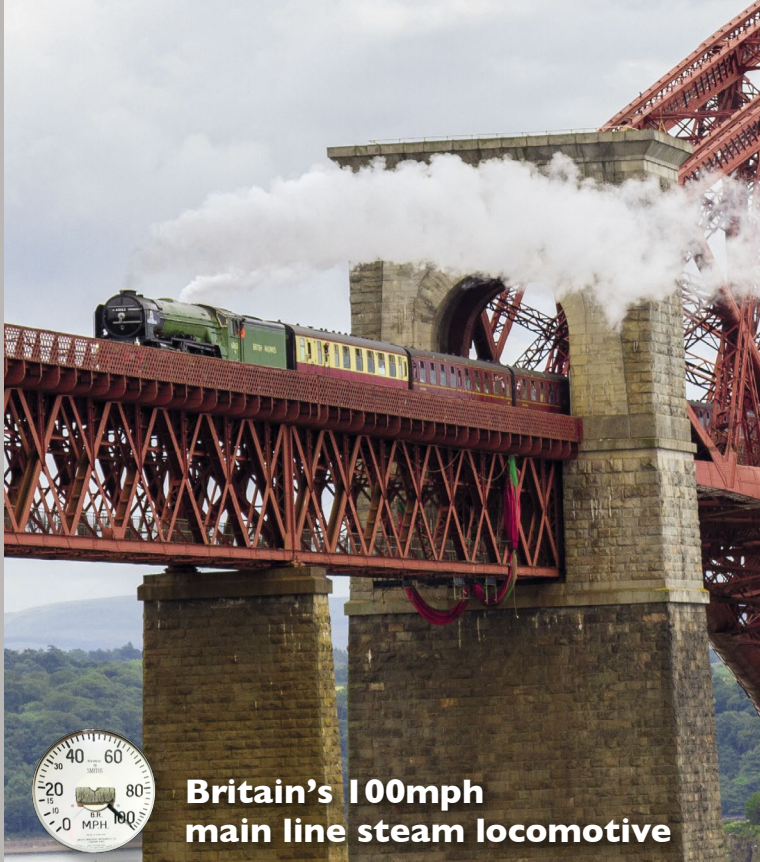
The Trust is conscious that the care of Tornado will ultimately be the responsibility of today's younger generation and by fostering a genuine care for and understanding of the locomotive in a group of young people, we hope they will one day take on that responsibility. At £25.00 for a year's membership, this would make an ideal Christmas or birthday present, or mark another special occasion for a young Tornado fan.

Visit the Tornado Team page on our website to download further details or email tornadoteam@alsteam.com.




Mandy Gout

How to get on-board with Tornado



Britain's 100mph main line steam locomotive



60163 TORNADO
New Steam for the Main Line

Enter our free draw to WIN A HORNBY MODEL OF TORNADO

Did you know that Tornado is the first new main line steam locomotive to be built in Britain for almost 50 years?

Follow us on
Visit: www.alsteam.com

The last of the renowned Peppercorn class A1 steam locomotives was, tragically, scrapped in 1966. But, a brand new class A1, No. 60163 Tornado, was brought to life by a dedicated team of volunteers. And now we need your help to keep Tornado on the main line.

The Peppercorn class A1s were the last of the great express passenger locomotives designed by the London & North Eastern Railway. British Railways built 49 of them at its Doncaster and Darlington works in 1948/9. Throughout the 1950s the majestic A1s pulled luxury Pullman trains from London to Yorkshire and the North East. They were the last word in speed, style and glamour – but none escaped the scrapman's torch.

The A1 Steam Locomotive Trust – a registered charity – has built a completely new A1 to the original design and with the help of the latest technology. The project to build a new Peppercorn class A1 was launched in 1990 and after 18 years of planning, construction and fundraising the £3 million locomotive was completed in August 2008, at the Trust's workshop in Darlington. Fitted with additional water capacity and the latest railway safety electronics, the locomotive is fully equipped for today's main line railway. Following tests and trials on the Great Central Railway and the Network Rail main line, Tornado hauled her first main line passenger train in January 2009.

The locomotive was officially named Tornado by TRH The Prince of Wales and The Duchess of Cornwall at York station in February 2009. Tornado subsequently starred in an episode of Top Gear, watched by over seven million people when first shown in June 2009, racing a Jaguar XK120 car and Vincent Black Shadow motorcycle from London to Edinburgh, with presenter Jeremy Clarkson on the footplate.

Frequently headlined in the press and on TV, Tornado was the subject of the 2008 BBC documentary Absolutely Chuffed and received wall-to-wall publicity world-wide for the 'I ♥ S&C' Plandampf-style trains to mark the reopening of the Settle & Carlisle Railway in February 2017 and 100mph test run on the East Coast Main Line in April 2017. Tornado also starred in the PADDINGTON 2 movie released in November 2017.

In June 2019, the Trust announced that it had placed a £1m order with DB Meiningen (DBM) for two new Diagram 118 boilers for its two new steam locomotives. The order is to supply the boiler for new Gresley class P2 No. 2007 Prince of Wales and a 'spare' boiler for use on both No. 2007 and No. 60163 Tornado. This order will enable the Trust to rotate the three identical boilers over its two locomotives, with two operational boilers and one 'spare' undergoing overhaul at any one time.

The new boilers will be similar to that which was built for Tornado in 2005/6, being a fully welded design with a steel firebox, and will incorporate a number of minor modifications that have been applied to Tornado's boiler since it was constructed. By ordering both boilers at once, the Trust has saved a six-figure sum that would have otherwise been required if the boilers had been procured separately. The first new boiler will be fitted to No. 60163 Tornado during its next overhaul.

Since completion in 2008, No. 60163 Tornado has steamed over 100,000 miles on the Network Rail main line and heritage railways the length and breadth of Great Britain on stamping grounds familiar to class A1s and many routes that the original A1s never graced. Following her unveiling in works grey, Tornado has worn all of the historic Peppercorn class A1 liveries – apple green, BR locomotive green (with emblem and crest) and BR blue – and has recently been returned to BR locomotive green as part of the Trust's 30th Birthday celebrations. Tornado continues to haul main line steam excursions and visit heritage railways throughout Great Britain.

Funds to build Tornado were raised through Deeds of Covenant, commercial sponsorship (principal sponsor William Cook Cast Products Limited), commercial loans and through a bond issue. The Trust is still seeking to raise funds to ensure Tornado's future on the main line and pay for future overhauls – the last one cost almost £500,000.


According to The Times, Tornado is, "a hit across the length and breadth of Britain". However, for this to continue we still need your help – and you can come on board for the price of a pint!

That was our concept when we launched the project in 1990. Supporters could covenant (donate) just the monthly equivalent of the price of a pint of beer per week. Beer cost £1.25 a pint in the North East then – today it is over £2.50!

Much of the locomotive as you see her today has been funded by this means – a large number of people contributing a small amount on a regular basis. Although Deeds of Covenant have now been replaced by Gift Aid, the Trust is still able to claim back from the Inland Revenue the income/capital gains tax that you have paid on your donations. For every £10.00 that you donate, the Trust could claim an additional £2.50, making your contribution worth £12.50.


By becoming a regular donor you can play your part in making history – it's that simple. We hope you're able to help us to keep Tornado on the main line. Many thanks!

For details of how to help or where to travel behind Tornado visit www.alsteam.com, email enquiries@alsteam.com, or call 01325 460163.




William Cook Cast Products
PRINCIPAL SPONSOR


Covenantors stand proudly in front of No. 60163 Tornado at Didcot.




Ian McDonald



Nick Wood




Alex Morton



Neil Whitaker

Travel on one of Tornado's main line railtours




David Birch

The A1 Steam Locomotive Trust organises railtours headed by No. 60163 Tornado that cover the length and breadth of the national railway network. Our railtours have a broad range of starting and pick up points, traverse some of Britain's most iconic and scenic railway lines and go to many of the UK's most historic cities and places of interest.

Our trains are formed of heritage Mark 1 carriages, which provide a nostalgic journey back in time where passengers can enjoy beautiful scenery as plumes of steam drift past the windows and the locomotive's distinctive chime whistle can be heard. Whether you choose to travel in Premier Dining, First Class or Standard Class, you can be assured of a magical day out on a railtour with Tornado.

For more information about how you can travel with No. 60163 Tornado, please visit www.alsteam.com/railtours, email railtours@alsteam.com or go to the Tornado Railtours Facebook page.



Mandy Gout

Yes! I would like to help keep Tornado on the main line

Please complete the form below and return to:
The A1 Steam Locomotive Trust
Darlington Locomotive Works, Hoptown Lane
Darlington, DL3 6RQ.

We will send you the form for your standing order and, where appropriate, a Gift Aid form so that we can reclaim UK income tax paid.

For further information on any aspect of supporting No. 60163 Tornado please visit www.alsteam.com, email enquiries@alsteam.com or call 01325 460163.

AMOUNT YOU WOULD LIKE TO DONATE

PLEASE COMPLETE IN BLOCK CAPITALS

£ per month (minimum £10.00)

Name

Address

Post Code.....

E-mail

Telephone.....

Are you a UK tax payer? Yes ☐ No ☐

Are you a Gresley class P2 No. 2007 Prince of Wales Covenantor? Yes ☐ No ☐ (please send details)

Enter the draw to win a Hornby '00' gauge model of Tornado? Yes ☐ No ☐

To help our marketing efforts, could you please tell us where you picked up this leaflet?

Thank you for your valued support – together we can keep Tornado on the main line!

Please get on-board and help us to keep Tornado on the main line:


Regular Donations (Covenants)

Become an A1 for the price of a pint of beer a week Covenantor – regular donor – for No. 60163 Tornado from only £2.50 a week. In recognition of your support, you will receive:

- A special print of No. 60163 Tornado by Jonathan Clay
- Access to view Tornado at all reasonable times
- The Trust's newsletters on a regular basis
- Proportionate discount off our promoted tours
- Annual Covenantor Card
- The opportunity to attend the Trust's Annual Convention
- Special supporters' day with Tornado
- The opportunity to buy exclusive merchandise only available to Covenantors
- Your name inscribed on the Roll of Honour at Darlington Locomotive Works.


Legacy Giving

For more information, please contact our Legacy Coordinator by emailing legacy.coordinator@alsteam.com or calling 01325 460163.



Kelvin Baskley

Travel on one of Tornado's main line railtours




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PLEASE COMPLETE IN BLOCK CAPITALS

£ per month (minimum £10.00)

Name

Address

Post Code.....

E-mail

Telephone.....

Are you a UK tax payer? Yes ☐ No ☐

Are you a Gresley class P2 No. 2007 Prince of Wales Covenantor? Yes ☐ No ☐ (please send details)

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Visit our online store at www.alsteam.com

Cover photo: Andy Horne