

THE TORNADO TELEGRAPH



60163 TORNADO
New Steam for the Main Line



Welcome to the latest issue of *The Tornado Telegraph*.

On any given day during the last month, 90% of the engineering effort on *Tornado* has been involved in readying the locomotive for in-cab signalling. The ETCS project, paid for by Network Rail, has been running coincidentally with the in-depth overhaul all year and has resulted in an additional 0.4 miles of cabling being laid around the locomotive - no small feat for Director of Electrical Engineering, Rob Morland, and his team.

The driving wheels, having been away to Devon for re-tyring have now been filled and sanded ready to be painted. Similarly, the frames are being prepped and painted ahead of optical alignment work which will ensure that the horn guides, axle boxes, cylinders and other components are lined up perfectly before the wheels go under. In Germany, the boiler is being re-tubed and will be hydraulically tested as we gear up for its return in the coming weeks. With one eye on *Tornado's* return, we have announced two new tours in March, both heading to the South West - be sure to read more about ['The South Devon Express'](#) and ['The Cornishman'](#). The full diary for 2023 can be found below.

WHEELY DUSTY WORK



In preparation for painting and re-assembly, the wheels have been mechanically sanded to remove the black paint, ready for the LNER Apple Green lined livery. To ensure that the workspace doesn't become too dusty, the sander has connected a Mirka 1230 Class M 110v dust extractor vacuum, ensuring a clean environment for our team.



All six driving wheels are now prepped ready for Contactor, Ian Matthews (or Rembrandt as he is affectionately known!), to paint before Sarah Jarman returns to add the lining. In fact, the second layer of undercoat are being applied as this newsletter is written!

[Join The Overhaul Club](#)

IN OTHER NEWS...



Conduits and other components have been removed from the cab before it goes for shotblasting.



The new manganese liners have been welded on the bogie horns.



Locomotive Fitter, Ian Greenan, uses the handheld techno to check and set up the governor following overhaul of the turbogenerator.



Refurbished bogies to be fitted to 21249 (the Support Coach) at Nemesis Rail.

[Make a One-off Donation](#)

CONVENTION 2022



This year, the Convention was recorded for you to watch back at home. Highlights include the naming of the V4 and the reveal of the monobloc fabrication for the P2. Click the button below to watch.

[Watch the Convention](#)

THE P-WAY GANG



Old and new, side by side

Just in time for winter, the windows have been fitted in the new building that we will soon call home. The construction of the site is continuing at a great pace. Sleepers and rails have been delivered, and are taking their place inside the shed. They will also link around the site and ultimately connect to the national network.

A "permanent way gang" is a long-standing term for track workers and engineers, and honouring that tradition, we ask you to make a contribution to join our P-Way Gang.

To cover the cost of materials and transport we are looking to raise £75,000. Any contributions are welcome, but for full club membership the minimum donation is £500, with £750 sponsoring a full 60ft rail with your name going next to that section on the track plan displayed in the new building.

[Join The P-Way Gang](#)

21st CENTURY STEAM LTD

RAILTOURS WITH *TORNADO*



Tornado on the Royal Albert Bridge - Michelle McDonald/A1SLT

Tornado will return in spring 2023. The following tours are available to book:

[The South Devon Express](#)

From Worcester, Cheltenham and Bristol to Kingswear and Dartmouth

Thursday 23rd March

[The Cornishman](#)

From Bristol, Nailsea & Backwell and Taunton to Bodmin, Par (Eden Project) and Newquay

Sunday 26th March

[The Yorkshire Pullman](#)

From London to York and Harrogate

Saturday 1st April

[The Aberdonian](#)

From Edinburgh to Aberdeen

Thursday 27th April

Thursday 20th July

Thursday 27th July

Saturday 29th July

Saturday 19th August

Thursday 31st August

Thursday 7th September

Saturday 16th September

[The Clyde Aberdonian](#)

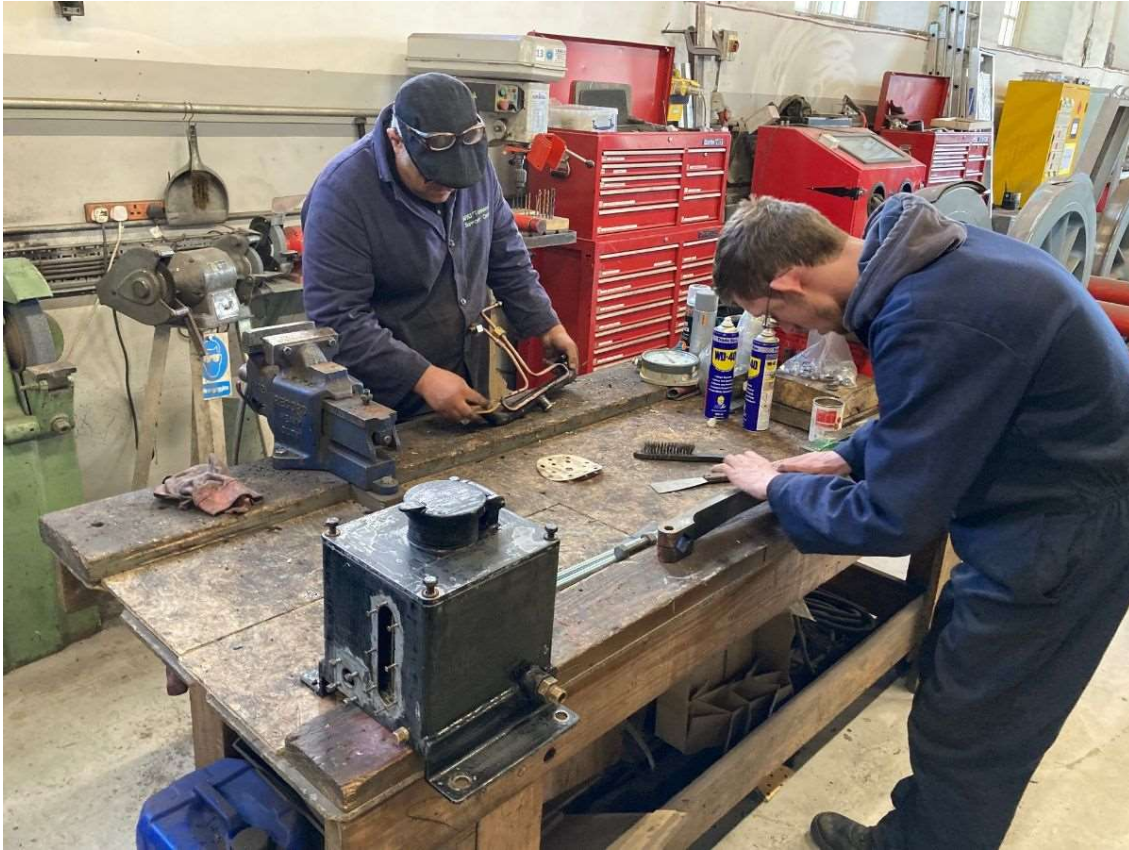
From Glasgow and Stirling to Aberdeen

Thursday 4th May

Saturday 22nd July

Thursday 14th September

THE OVERHAUL CLUB



Volunteers working on components at DLW - if you would like to volunteer, please contact the Trust

We are thankful to all of *Tornado's* supporters for their continued patience and patronage though this major overhaul. As *Tornado* will be away from main line duties until the spring, all contributions are gratefully received.

The hard work by the teams in both Darlington and Loughborough will ensure that *Tornado* returns to the tracks as good as new ready for years of operations.

If you have not yet signed up but would like to make a donation towards the overhaul, please find out more [here](#).

The Overhaul Club

WE COULDN'T DO IT WITHOUT YOU

We couldn't do any of this without you, and remain hugely grateful for each and every contribution to *Tornado*. Your support as Covenantors, Donors and Volunteers remains vital as we navigate the overhaul, and mean all the more at this time.

Here are some of the ways people choose to support us:

DONATIONS - We continue to encourage donations of all shapes and sizes (every pound counts).

To make a donation, please click [here](#).

COVENANTORS - We always welcome new Covenantors as we have overhauls, maintenance and repairs to fund. The Covenantors are the backbone of all we do at The A1 Steam Locomotive Trust. To become a Covenantor for the price of a pint a week, learn more [here](#).

JOIN THE CLUB - Help us to fund the engineering maintenance on *Tornado* by joining The Overhaul Club. Find out more [here](#).

VOLUNTEERS - Do you have skills that could help the Trust? We can always use extra pairs of hands. If you enjoy meeting people, please consider joining our merchandising team at events and on tours. If your talents involve engineering, locomotive cleaning, or administrative work, we can always find something for you to do! Contact volunteer@a1steam.com for more details.

LEGACY PROGRAMME - Help us to continue our work long into the future. Learn more about how to leave a gift to *Tornado* [here](#).

Alternatively, if you would like to speak with someone directly, please contact the office on [01325460163](tel:01325460163) or email your details to enquiries@a1steam.com and someone will get back to you.

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