

THE MIKADO MESSENGER



2007 PRINCE OF WALES
Building Britain's Most Powerful Steam Locomotive

Welcome to edition No. 51 of *The Mikado Messenger*. The *Messenger* aims to provide a regular bulletin of news about the construction of No. 2007 *Prince of Wales*.

We would like to thank all our supporters for their continued support in building No. 2007 *Prince of Wales* and welcome all those on board who have recently signed-up!

Considerable design work has been going on in the background and in this issue of *The Mikado Messenger* we provide an update on this progress.

NEWS BRIEFS

Steam Railway Photoshoot - Some interesting work was done to prepare the front of the engine for the *Steam Railway* exclusive photoshoot at Darlington Locomotive Works (DLW). This involved manufacturing the bracket for the air brake pipes which in turn was populated with spare air cocks and hoses from *Tornado*. The vacuum swan neck pipe was made up at DLW and a spare *Tornado* vacuum hose fitted. The draw hook was borrowed from the North Eastern Locomotive Preservation Group's class J72 No. 69023 which is currently undergoing overhaul next door. Finally Ian Matthews painted the bufferbeam to finished standard including sign writing the shaded No. 2007 numerals.



No. 2007 Prince of Wales in colour! David Elliott/A1SLT

Superheater Header - The machining of the superheater header is complete at Multi-Tech Engineering.



Superheater header being machined - *David Elliott/A1SLT*

Regulator - Two sets of regulator castings have been ordered from H. Downs of Huddersfield, one set for No. 2007 and one set as spares for both the A1 and the P2.

Cylinders - Quotes have been sought for the cast steel steam pipes, required for the fabricated cylinder block, and various valve covers and details.

Brake rigging - The brake cross stays have been ordered from North View Engineering Solutions in Darlington.

Cab - Ian Matthews has been busy adjusting the cab spectacle plates to mount the cab spectacle windows. Profiles are being ordered for the cab seat frames, and the cab seat cubicle design, used on *Tornado*, is being modified to fit the slightly narrower P2 cab.



Cab spectacle plate - *David Elliott/A1LST*

Darlington town centre has recently been decorated with London & North Eastern Railway (LNER) style posters by renowned railway artist Stephen Millership. The designs of the posters were inspired by the iconic posters of the LNER from the 1930s and 1940s.

Tornado 10 Years in Steam was produced to celebrate the tenth anniversary of the completion of new Peppercorn class A1 'Pacific' No. 60163 *Tornado* at Darlington Locomotive Works in 2008. The poster was designed by Stephen Millership and drew its inspiration from the iconic *Silver Jubilee* poster by Frank Newbould published by the LNER to mark the entry into service of Britain's first streamlined train - which called at Darlington - in 1935.

A Giant Resurrected has been produced to promote the construction of new Gresley class P2 'Mikado' No. 2007 *Prince of Wales* at Darlington Locomotive Works. The poster was designed by Stephen Millership and drew its inspiration from the iconic *Giants Refreshed* poster by Terence Cuneo published by the LNER to mark the restoration of its locomotives from wartime Black liveries to Apple Green and Garter Blue liveries in 1947.

The original posters have now been turned into lamppost banners and will feature in the town centre for around six months. You can read more [here](#).

If you would like to buy your own version of these posters, this can be purchase through our [online shop](#).



PROGRESS TO DATE

- Frame plates for engine and tender rolled and profiled; engine's frames erected at Darlington Locomotive Works; all major engine frame stays, brackets, horn blocks, axleboxes and buffers cast (44 in total); over 1,000 fitted and driven bolts ordered and delivered, approximately 800 now fitted to the frames
- All 20 wheels for engine and tender cast and proof machined; engine wheelset assembly complete, balance weights manufactured and fitted, tender axles delivered
- Preliminary discussions held with boiler manufacturers and forged foundation ring corners manufactured and machined; start made on boiler fittings with castings for combined injector steam and delivery valves; order placed with DB Dampflokwerk Meiningen to update the design to incorporate modifications and improvements fitted to *Tornado's* boiler over the last 10 years

- Study into ride and suspension completed using rail industry standard Vampire® software; Finite Element Analysis completed on re-designed crank axle to ensure it complies with modern standards; assessment and notified body appointed to oversee certification - first site visit made
- Cab erected and cab side window frames fitted; engine footplating and splasher kits delivered and permanently fitted to frames
- Smokebox door pressed, details made and door completed; door frame manufactured, smokebox delivered and erected; chimney cast and fitted
- Crosshead castings delivered; connecting and coupling rods ordered and manufacture started
- Boiler cladding assembly jig built, cladding crinolines and hoops rolled and fitted to jig, cladding sheets made and trial fitted to the engine's frame
- Tender frame construction under way, axleboxes and other tender castings delivered from William Cook Cast Products; tender tank procurement process underway
- Nameplates and chime whistle delivered
- Over £2m spent, £2.5m donated and over £3.1m pledged.



Progress on No. 2007 *Prince of Wales* - Mandy Grant

FUNDRAISING

'P2 FOR THE PRICE OF A PINT OF BEER A WEEK' - This is the core scheme for building No. 2007 *Prince of Wales*. If you haven't yet signed up to our monthly donation scheme we would encourage you to get on board - you can find more information [here](#).

THE MOTION CLUB - The Motion Club has now welcomed over 110 members, with less than 65 members remaining of our 175 member target. With the order placed for the coupling and connecting rods, these should start to arrive at Darlington in quarter one of 2019.

THE BOILER CLUB - The Boiler Club is now over the 170 member mark, leaving just under 130 spaces available. With a decision being made on the boiler manufacturer in quarter one of 2019, we would urge those who haven't yet contributed towards the purchase of No. 2007 *Prince of Wales'* boiler to join us. This is the single most expensive component on the locomotive, meaning it is vital to increase the donations towards the boiler so we can place the order with confidence.

DEDICATED DONATIONS - A number of supporters have given the gift of steam this Christmas, sponsoring components for their loved ones - why not sponsor a component for a quirky Valentines Day present? You can sponsor components on No. 2007 *Prince of Wales* from as little as £25.00 ranging up to

£15,000! This scheme has already raised in excess of £315,000. If you would like to sponsor a component, please email dedicated.donations@p2steam.com, detailing the amount you would like to donate and/or if you had a specific part of the engine in mind, we will then send you some component recommendations to suit your donation.

For more information on how you can help to build Britain's most powerful steam locomotive visit www.p2steam.com, email enquiries@p2steam.com or call 01325 460163.

AN AUDIENCE WITH THE *PRINCE OF WALES*

Following on from the success of our 2018 Roadshow programme, we will be continuing the Roadshows in 2019. We will be holding a series of presentations on the project to build new Gresley class P2 No. 2007 *Prince of Wales*. Each presentation will feature key team members including Mark Allatt and/or David Elliott and will cover the background to the project, progress to-date, future plans and details of how to get involved. We would encourage you to attend one of these Roadshows and bring along some friends and family members who would be interested in hearing about the project. The two hour presentation will start promptly at 11:00hrs and run until 13:00hrs on each of the days listed below and are open to existing supporters and interested members of the public:

NEW 2019 ROADSHOW PROGRAMME:

- Saturday 9th February 2019 - London Transport Museum, London
- Saturday 2nd March 2019 - Darlington Locomotive Works, Darlington
- Saturday 6th April 2019 - Principal Hotel, York
- **AMENDED DATE** Saturday 1st June 2019 - Dundee Heritage Trust, Dundee
- Saturday 8th June 2019 - Royal Station Hotel, Newcastle
- Saturday 6th July 2019 - Darlington Locomotive Works, Darlington
- Saturday 14th September 2019 - Hilton Hotel, Leeds
- Saturday 2nd November 2019 - Darlington Locomotive Works, Darlington
- Saturday 7th December 2019 - Pendulum Hotel (Manchester Conference Centre), Manchester.

For more information on the P2 Roadshows visit www.p2steam.com, email enquiries@p2steam.com or call 01325 460163.

PRESENTATIONS

If any railway society - or indeed other interested groups - would like a presentation on the project they should contact us by emailing enquiries@p2steam.com

EASYFUNDRAISING

Why not help the Trust at the same time by doing your online searches through EasyFundRaising, painlessly raising cash for The A1 Steam Locomotive Trust every time you spend online? You can find details of how to do this [here](#).

VOLUNTEER

As ever we are looking for more volunteers. It takes a lot of people to both keep *Tornado* on the main line and also to build *Prince of Wales*. There is always so much more that we can achieve with the right

volunteers, with the right skills and can-do attitude. If you have a passion for raising money or engineering please do get in contact. For more information, please [email us](#).

TRAVEL WITH *TORNADO*

For more information on *Tornado's* tours and where you can see her, click [here](#).

The Trust respectfully requests that anyone wanting to see *Tornado* follows the rules of the railway and only goes where permitted.

OPEN DAYS AT DARLINGTON

We hold public open days at Darlington Locomotive Works on the first and third Saturday of every month from 11:00hrs to 16:00hrs. Come and see the progress of No. 2007 *Prince of Wales*.



Facebook



Twitter



Website



Email

Copyright © 2019 The A1 Steam Locomotive Trust, All rights reserved.

Our mailing address is:

The A1 Steam Locomotive Trust, Darlington Locomotive Works, Hopetown Lane, Darlington. DL3 6RQ