

# A TRAIL OF SUCCESS

## SUSTAINABLE ELECTRIC-DRIVE ROLLER TACKLES MULTIPLE JOBSITES



### COMPACTION OF RECYCLED AGGREGATE FOR A SEA DEFENSE WALL

A 17 km wall is being constructed at the Avonmouth Docks, part of the Port of Bristol. The wall will prevent flooding of existing homes and businesses – and allow further development as well.

#### OPERATOR COMMENTS

- The operator had been using compaction equipment for over two years and is impressed by the speed, particularly in travel mode, and the quietness of the machine. He likes the easy switch over from hard to soft roll mode
- The seat and operator positioning are comfortable, with good all-around visibility

### DEMO OF MACHINE AT AMMANN FACILITY

Two visitors traveled to Ammann's regional office. First there was a machine demo, and then the visitors tested the compactor themselves – in both static and vibratory mode.

#### VISITORS COMMENTS, AFTER OPERATING THE MACHINE

- It is appreciated that machine operation is almost identical to the standard diesel model and there would not be a learning curve for current operators
- One visitor is very interested in the reporting of data and transparency it would give the administration team managing a project
- There is interest in how Ammann Compaction Expert (ACE) could add further value to the eARX 26-2

### COMPACTION OF ASPHALT OVERLAY OF A CONCRETE BASE

Harehill Farm in Boyleston stores silage in a large purpose-built pit. The base is made of concrete but is topped off with an asphalt mix specifically designed for silage pits. The farm is located on sand and environment protection demands that the concrete and asphalt ensure run-off is drained to the proper locations. The electric machine worked behind the paver as the special mix of top course was laid at a graded depth of 45mm-55mm and worked around the galleys and drainage systems.

#### OPERATOR FEEDBACK

- The eARX 26-2 is a smooth machine and very easy to use with excellent visibility.
- The speed is appreciated
- The operator tested both hard and soft mode and appreciates the differences. The operator stated that soft mode is a feature unavailable on machines currently in the fleet
- The machine worked for a full day with plenty of battery time left and charging top-up was quick and easy



eARX 26-2



### Ammann’s electric-drive tandem roller spent the summer on a tour of the United Kingdom.

Instead, the Ammann eARX 26-2 visited jobsites where field testing could be completed in real conditions – and in diverse applications.

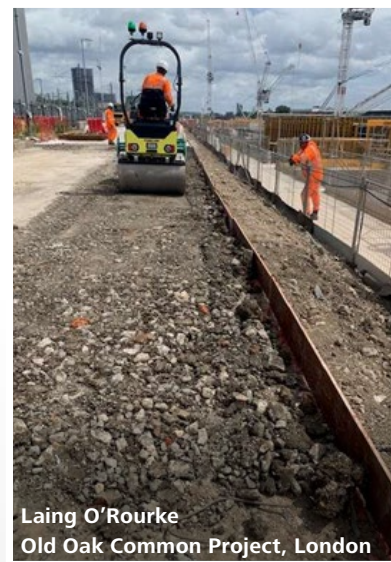
The journey started with visits to several trade shows, where curious visitors could review the static machine. After that, it was off to work! Here are a few samples of reports made at the many sites it visited.



Hanson UK  
Ravenstone, Leicester



Balfour Beatty Vinci  
BBV – Oxford Park and Ride  
Eynsham, Whitney



Laing O’Rourke  
Old Oak Common Project, London

#### RESURFACING OF WASH LANE

The road was being milled, followed by placement of an asphalt base at depths from 55mm to 65 mm. The Ammann eARX 26-2 worked directly behind the breakdown roller to compact the asphalt.

##### OPERATOR COMMENTS

- The ease of functions is impressive
- There are only two grease nipples on the steering cylinder – everything else is maintenance-free
- The machine is quiet
- It is fast in travel speed (second gear)
- The machine is smooth when switching from forward to reverse
- There is a difference between hard and soft mode. Soft mode works well given the materials and conditions on this job

#### PATHWAYS AND PEDESTRIAN AREAS

One of the very large strategically placed park and ride facilities being created to support tourists and visitors to Oxford. Galldris are the main contractors to BBV and have done the bulk earthworks and groundworks of the project. The eARX26-2 had been displayed in a static exhibition on site for a Supplier and Customer Event and went straight from this to the jobsite the following day. The machine was used for the compaction of MOT Type 1 on the pathways and pedestrian areas that were still under construction.

#### COMPACTION OF RECYCLED AGGREGATE AT A RAILWAY HUB

One of the first stops was at the new super-hub set to be the largest railway station ever built in the UK. The electric-drive roller worked on 6F5 material, a recycled aggregate comprised of hard, crushed materials – including concrete. The size ranges from 75mm down to dust, making it perfectly suited as bulk fill. An operator and supervisor tested the machine and were impressed, stating they would be happy to switch to the Ammann eARX.

##### OPERATOR COMMENTS

- Speed is faster than a standard roller – however, it can be controlled
- Working from the seat is comfortable, the sliding seat made visibility even better
- It takes very little time to learn to operate the machine
- Overall, they would be happy if all rollers were exchanged for electric rollers, and they would like the Ammann roller back on the project
- Both commented on the quietness of the machine – even while it worked with both drums vibrating

