

Slippage of OLE catenary wire in of Bonomi forked collar

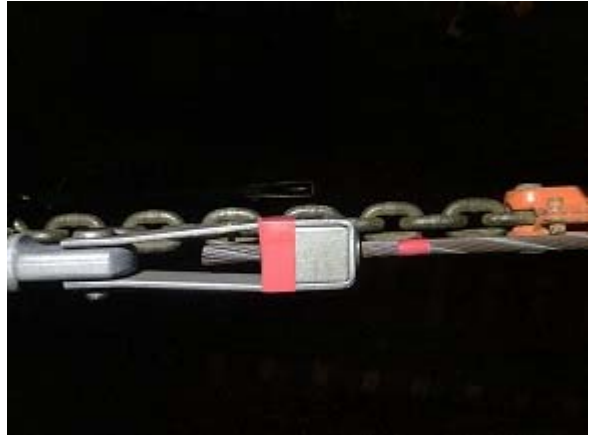
Issued to: All Network Rail line managers, safety professionals and RISQS registered contractors

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Location: Edinburgh Glasgow Improvement Programme (EGIP), Scotland

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Overview

On Friday 5 May 2017 an inspection by the EGIP team discovered that the Overhead Line Equipment (OLE) catenary wire within a Bonomi forked collar socket C21/544/001 (PADs no. 091/029042) had slipped from its original installation position.

Whilst the wire remained anchored there is the potential that further slippage would result in an OLE de-wirement. This is similar to incidents which occurred between January and March 2017 which were originally attributed to installation error.

The latest incident now raises concerns around the root cause of these incidents.

The clamp and catenary wire are undergoing independent testing to investigate the root cause and confirm if the wire is slipping out of the collar as tension is applied during construction or whilst it is under normal operational tension.

Additionally whilst the incidents seem to be limited to the catenary forked collar, this safety advice will apply to all Bonomi forked collar sockets until further notice.

Immediate action required

- All Bonomi forked collar sockets, 121/544/001 (091/029042), 121/544/002 (091/029043) and 121/544/003 (091/029044), shall be visually inspected to confirm that the catenary wire extends a minimum distance of 30mm past the end of the collar.
- All Bonomi forked collar sockets, 121/544/001, 121/544/002 and 121/544/003, installed since 30 November 2016 shall be monitored for signs of continual slippage. The monitoring shall be in the form of weekly inspections until confidence is gained in the integrity of the connection.
- For any forked collar socket where there are signs of continually slippage, or where there is not a minimum distance of 30mm past the end of the collar, a temporary safety rig using appropriate lifting gear shall be applied around the assembly immediately and the product replacement scheduled.
- The Network Rail Product Acceptance, PA05/06543, of the Bonomi forked collar sockets, 091/029042, 091/029043 and 091/029044, has been suspended and the product shall not be installed on Network Rail infrastructure.

Copies of Safety Advice are available on [Safety Central](#).