In June 2014, Azerbaijan Railways (ADY, Azerbaycan Demir Yolları) ordered 30 sleepers from Stadler. They are intended for international operation on the line from Baku (Azerbaijan) via Tbilisi (Georgia) to Kars (Turkey) and on to Istanbul (Turkey), and designed for an service speed of 160 km/h. The route not only crosses international borders, it also involves break-of-gauge. In order for the trains to be able to travel both on the Russian broad gauge used in Azerbaijan and Georgia, and on standard gauge used in Turkey, the bogies developed by Stadler are fitted with variable gauge wheelsets. The 30 sleepers are split into five different carriage types. There are 18 second class sleepers with 32 beds in four-berth compartments, 3 first class cars with 16 beds in two-berth compartments, 3 first and second class carriages with 20 beds in two-berth compartments, and 3 second class carriages with a compartment for people with restricted mobility. This amounts to a total of 18 beds and a dining car with 28 seats. Each car has an emergency power unit that enables it to stay in operation up to 24 hours when the train line is not being fed by the locomotive.
Technical features

Technology
- Car body made of extruded aluminium sections
- Bogies with variable gauge wheelsets
- Designed for a temperature range of −40°C to +45°C
- Independent operation and variable coupling

Comfort
- Modern passenger information system
- Control and operation in line with UIC 565-1, 569-1
- High-quality interior
- Vacuum toilets (in first class, for each compartment)
- Shower (in first class, for each compartment)
- Two wet rooms at each end of the carriage
- Entrance doors at each end of the carriage, sliding plug doors
- For GOST and UIC access heights (200, 300, 550, 780 and 1100 mm)
- Air conditioning

Personnel
- Each sleeper contains a compartment for two train crew members
- The sleeper with a compartment for people with restricted mobility is fitted with wheelchair lifts and has a compartment for the train manager

Reliability / Availability / Maintainability / Safety
- Each car is fitted with an emergency power generator
- The cars meet GOST and UIC requirements

Vehicle data

Customer
Azerbaijan Railways (ADY, Azerbaycan Demir Yolları)

Areas serviced
Azerbaijan, Georgia, Turkey

Gauge
1520 + 1435 mm

Number of carriages
18 WLB, 3 WLBb, 3 WLAB, 3 WLA, 3 WR

Commissioning
2016–2017

Length over buffers
26400 mm

Vehicle width
2835 mm

Vehicle height
4170 mm

Bogie wheelbase
2500 mm

Carrying wheel diameter, new
920 mm

Maximum speed
160 km/h