



# CERTIFICATE OF ENGINEERING ACCEPTANCE

This certificate is issued in accordance with RIS-1530-PLT Issue 4

**NAME OF VEHICLE ACCEPTANCE BODY**

*Interfleet Technology Ltd*

**ACCREDITATION CODE**

**IF**

Vehicle Class / Description

977/Aquarius/Canter/9C

Vehicle Owner

Aquarius Railroad Technologies Ltd

Issue Date

20 March, 2014

Expiry Date

15 February, 2021

Vehicle Number(s)

99709\_977001-5

First Of Class

99709 977001-5 on Engineering Acceptance Certificate IF/0068/14 against RIS-1530-PLT, Issue 4.

**Authorised by:**

Bryan Lowe

*Interfleet Technology Ltd*

**OFFICIAL STAMP**



Reason for issue and Scope of Work

Certification of Mitsubishi Canter Lorry RRV with Aries Rail Gear and Palfinger PC 2300A Compact Crane. Chassis number VINJLFFG649EOKJ40516, registration YJ56 LHT. Originally assessed for compliance with RIS-1530-PLT, Issue 4. On this certificate: Amendment to Limitation 13, to permit on-rail use of crane. Expiry date conforms to the requirements of RIS-1530-PLT, Issue 4.

Deviations associated with this certificate

None.

Previous Certificate Number

IF/0068/14 : 99709 977001-5

Maintenance Plan Details

Aquarius Railroad Technologies Mitsubishi Canter Maintenance Plan; Issue 3; Revision 5; 3 February 2014.

**Additional Copy**

**Certificate Number: IF/0160/14**

### Limitations of Use

1. The vehicle shall only operate inside possessions.
2. When travelling, the RRV is within W6a gauge and exception for road wheels as RIS-1530-PLT Issue 4. Cab doors when open can be out of gauge and account must be taken in the safe system of work.
3. The vehicle is not permitted to on/off track, travel or work on live conductor rail lines.
4. The vehicle shall not on/off track or work if adjacent lines are open to traffic.
5. The vehicle will not activate train operated points.
6. Vehicle shall not travel or work on:
  - Track cants greater than 180mm.
  - Track gradients greater than 1:29.
  - Curve less than 80m.
7. When operating in reverse, before moving, the driver shall ensure that he has adequate visibility of the track to the rear, otherwise the reverse movements shall be controlled by an assistant in the rear compartment and/or ground staff.
8. For access/egress, the vehicle may only operate with the opening door adjacent to a cess or a line closed to all train movements or the safe system of work must take account of adequate safe clearances to adjacent lines.  
Cab access door safety chains shall be used.
9. Vehicle shall not on/off track on:
  - Track cants greater than 100mm.
  - Track gradients greater than 1:29.
10. For on/off tracking, a site specific work plan shall be used taking account of the requirements in Network Rail Standard NR/PLANT/0200.
11. The vehicle is suitable for use under live OLE (on/off track and travel ) when used in conjunction with a safe system of work determined and authorised by taking guidance from the requirements of GE/RT8024.
12. Except for the cab and work areas below 1.4m above rail, access is forbidden to any part of the RRV when it is under live OLE.
13. Additional limitations when using crane:
  - > The crane jib shall NOT be deployed from its stowed travel position, in any circumstances when the RRV is under live OLE.
  - > The RRV shall be stationary as the stabiliser legs are interlocked with the crane control.
  - > Deployment of the stabiliser legs shall only take place in accordance with the Method Statement and the safe system of work for the possession.
  - > The stabiliser legs in use shall not impinge on sleepers.
  - > Only the identified lifting point shall be used:
    - SWL of crane at minimum reach: 1820kg;
    - SWL of crane at maximum reach: 500kg.On rail the crane and stabiliser legs shall be stowed and locked in the travel position.
14. Vehicle is NOT permitted to tow or propel.

### Supplementary Information

1. Vehicle is an Aquarius Mitsubishi Canter Lorry RRV with Aries Rail Gear and Palfinger PC 2300A Compact Crane. See Limitation 13.
2. Chassis number VINJLFFG649EOKJ40516, registration YJ56 LHT.
3. Vehicle operates in low ride only.
4. Tare weight- 6,000kg.
5. Maximum payload of 2,030kg shall not be exceeded and shall be uniformly distributed permitting up to 7 persons in the cab (80kg/person) and/or equipment in the rear.
6. Maximum speeds (travel and working) on rail not to exceed:
  - 20mph plain line; 5mph switches and crossings;
  - 10mph reversing only when driver has unrestricted view to the rear of the vehicle, otherwise 3mph;
  - 1mph raised check rails; 5mph emergency recovery.