

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Certificate No. TAC-02-1608-189

Approval date 10/08/2016
Approved by GM Technical Standards
Report no. TAR-02-1608-189
Report date 10/08/2016

This certificate is issued to

Supplier Unipart Rail
 111-113 Newton Road
 Wetherill Park, NSW, 2164

In respect of

Manufacturer Sagem
Product description Cautor mechanical treadle
Item identification Refer to Approved Item List.

Application ARTC Network Wide

Relevant Standards

Conditions of Approval

1. Only the approved equipment in the attached list may be used.
2. The Sagem EU bracket shall be used to attach the treadle to the rail.
3. The treadle may be used as a track circuit assister only with one change over contact to break the track circuit feed and one change over contact to provide a short circuit between the rails.
4. The two change over contacts shall be used independently.
5. The connections to the rails shall be Cembre tapered rail connection pins or other approved rail connection device.
6. All uses of the treadle shall be documented on signalling circuits by approved competent signal designers with the designs approved in accordance with ARTC standards.
7. The dash pot timer shall be adjusted to 15 seconds or the maximum available if less than 15 seconds.
8. The unit shall be maintained at the same time as the track circuit at the same location.
9. Use as other than a track circuit assister shall be subject to further approval.
10. Installation and set-up of the equipment shall be in accordance with the 'Treadle Installation Instruction Sheet'.
11. Maintenance service shall be in accordance with the 'Treadle Maintenance Instruction Sheet'.
12. No repair or replacement of internal components shall be undertaken except by the authorised repairer.

A general condition of approval is that the supplier remains accredited to ISO 9001 specifically for these products and ARTC is advised on a 12 monthly basis that accreditation is current. ARTC

NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

reserves the right to conduct its own audit of the manufacture and supply of these components to AS 19011.

Any subsequent change to the design, materials or manufacturing process is not covered by this approval. The manufacturer should notify ARTC of any modification or changes in order to obtain a valid updated certificate.

Note/Comments NIL.

Issue date

Expiry date

Issued by

John Furness

ARTC Manager Standards



NEW EQUIPMENT AND SYSTEM APPROVAL CERTIFICATE

Approved Item List – Sagem – Mechanical Treadle – Cautor single arm

| Catalogue No. | Type Description | Revision | Conditions of Use |
|----------------------|--|----------|-------------------|
| S-02-1608-189 | | | |
| 0086/046300 | Treadle, Cautor, single arm, non-directional, fitted with 2 C/O contacts and terminals | - | |
| 0039/029397 | Setting Gauge, Cpte With 2 Plumb Weights | - | |
| 0086/046316 | Mounting Bracket (Treadle Rail Mounting Base, FB Rail, Cpte With Fixing Bolts) | - | |
| 0027/025112 | Treadle Oil (HVI 13 Hydraulic Oil) | - | |

Reference Manual List – Sagem – Mechanical Treadle – Cautor single arm

| Document Ref. | Title | Version/Date | Conditions |
|----------------------|----------------------------------|--------------|------------|
| S-02-1608-189 | | | |
| - | Treadle Installation Instruction | - | |
| - | Treadle Maintenance Instruction | - | |

Approved Repairers – Sagem – Mechanical Treadle – Cautor single arm

| Organisation | Contact details | Conditions |
|-------------------------------------|-----------------|------------|
| S-02-1608-189 | | |
| Henry Williams Ltd., Darlington, UK | - | |

