

Class 07

Diesel Locomotive

BR Green



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1 Background

1.1 Loco

The fourteen Class 07s were designed specifically for use within the Southampton Dockyard, commissioned to replace some of the tank steam locos used previously. They were specifically designed with short wheelbases to negotiate the particularly restrictive Southampton Docks, as it was peppered with very tight curves. The locos had to be powerful and versatile enough however for general shunting duties and to marshal the Ocean Liner trains if required.

The Class 07 has a single 'off-centre' cab at one end, with mirrored controls on the left /right, giving the driver good all-round visibility.

Ruston & Hornsby built the 275 hp, Paxman-engined 0-6-0 shunters during 1962, with the first five entering traffic in June of that year. The shunters were delivered in the old green BR livery but that gave way to the obligatory blue in the early '70s. Originally numbered D2985-D2998, ten of the class were later renumbered into the 07 series in sequential order with gap left for the four locomotives withdrawn prior to the changeover to TOPS.

When part of the dockyard's internal railway network was abandoned in 1973, four locomotives were withdrawn, and in 1976 a further three went. In July, 1977 the whole fleet were finally declared redundant, and Southampton Docks no longer had resident shunters.

Some members of the class were cut up at Eastleigh, their allocated depot at the time. The majority were soon hard at work with industrial users and have subsequently passed into the hands of preservation societies.

1.2 Design & Specification

Type and origin

Model:	LSSE
Builder:	Ruston & Hornsby, Lincoln.
Build Date:	1962
Total Built:	14
Numbers:	D2985 – D2998, later 07001 – 07014.

Specification

Configuration:	0-6-0
Length:	26 ft 9.5 in
Width:	8 ft 6 in
Height:	12 ft 10 in
Locomotive Weight:	42.25 t
Dimensions:	8.13 x 2.57m
Wheel Base:	8 ft 7.5 in
Wheel Diameter:	3 ft 6 in
Fuel Capacity:	300 gal

Performance Figures

Power Type:	Diesel – electric
Engine:	Ruston Paxman 6RPHL, 6 cylinder, 4 stroke.
Engine Output:	204 kW (275 h.p.) at 1360 r.p.m.
Maximum Tractive Effort:	126 kN (28240 lbf)
Maximum Speed:	20 m.p.h.
Brake type:	Loco: Air Train: Vacuum

2 Rolling Stock

2.1 Class 07 BR Green



2.2 OAA Wagons



2.3 PCA Wagons

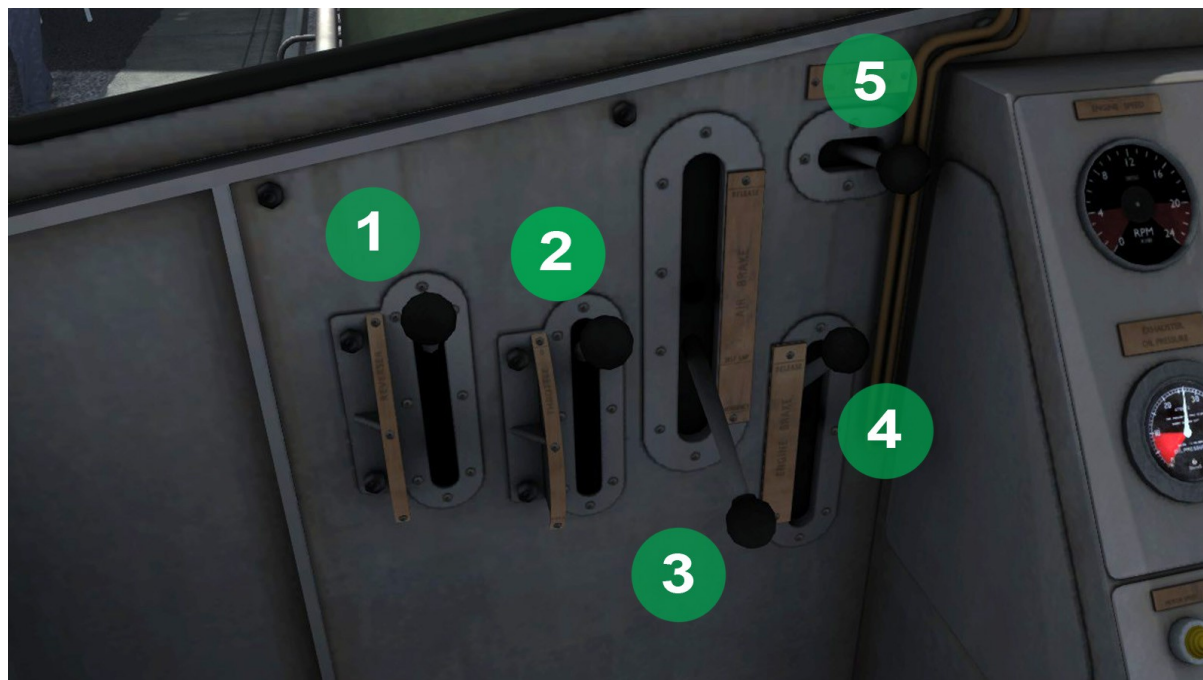


2.4 PGA Wagons



3 Driving the Class 07

3.1 Cab Controls



- 1 Reverser Lever
- 2 Power Lever
- 3 Train Brake Lever

- 4 Engine Brake Lever
- 5 Sander Lever



- 6 Engine Speed (R.P.M.) Gauge
- 7 Brake Air Pressure Gauge
- 8 Vacuum Gauge
- 9 Speedometer (M.P.H.)
- 10 Exhauster Oil Pressure Gauge

- 11 Engine Oil Pressure Gauge
- 12 BP Air Gauge
- 13 Water Temp Gauge
- 14 Engine Oil Temp Gauge



15 Panel Lights switch

16 Startup buttons

17 Cab Light switch

18 Headlight switches

19 Horn Lever

4 Scenarios

4.1 Pullman Preparations

Description: This afternoon you have been tasked with preparing the coaching stock at Bishops Lydeard for the 'Paignton Pullman' railtour, which is due to depart in 30 minutes.

Briefing: With two rakes of Mk1 coaches awaiting in two different sidings at Bishops Lydeard, follow the instructions and assemble the train in the Up Platform.

Duration: Approx 15 Mins

Difficulty: Medium

4.2 Washford Wagonload

Description: It is getting late in the day and you will now drive a freight service from Washford to Minehead, in order to put the wagons in position for a demonstration the following morning.

Briefing: Starting at Washford, proceed into the shunt before reversing and coupling to the wagons. You can then proceed to Minehead where you will finish your duties.

Duration: Approx 30 Mins

Difficulty: Easy

4.3 Flamed Out

Description: This morning you have been tasked to perform a shunting demonstration for visitors to Dunster on the West Somerset Railway.

Briefing: With the paying public awaiting your demonstration at Dunster, a diesel express service has just passed so your route is already set and you are ready to go. Proceed to Dunster in order to perform this demonstration.

Duration: Approx 15 Mins

Difficulty: Very Hard

4.4 Diesel Duo

Description: Following the failure yesterday of a Class 33 locomotive near Minehead, it was rescued by a Class 07 shunter and has spent the night in the shunt at Minehead. This morning you have been tasked with moving the stricken locomotive to the diesel depot at Williton.

Briefing: Starting at Minehead, collect the failed locomotive from the shunt before dragging it to Williton diesel depot where it can be fixed.

Duration: Approx 50 Mins

Difficulty: Medium

5 About Skyhook Games



Skyhook Games Studio is a creative production house based in Liverpool, UK. With nearly 40 years of games development experience, its founders have jointly worked across a wide range of titles and platforms from Playstation 1 – 4, Nintendo Wii and PC, to name but a few. Many of these titles were licensed products for major brands such as Jim Henson's, Disney and Sony.

They are now producing DLC for Dovetail Games and enjoying the challenge.