

AUSTRALIAN IRON & STEEL - BHP STEEL BLUESCOPE

PORT KEMBLA - DIESEL LOCOMOTIVE FLEETLISTING



Compiled by: Brad Peadon
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D1 SERIES

Built by English Electric (UK), shipped to Australia and constructed by Com-Eng (Granville) and Bendigo Munitions Plant.

Model Unknown

Gauge 1435mm

Wheels Bo-Bo

Length 12.5m

Mass 86t

Engine EE 8SRKT

Power 757HP

Speed 16 km/h



D1 shunting passenger cars at the New South Wales Rail Transport Museum at Thirlmere. Photo: Chris Miller

#	Build #	Notes
D1	5-1950	Operational, preserved at the Rail Transport Museum in Thirlmere. Livery: AIS Orange
D2	8-1950	Scrapped
D3	11-1950	Scrapped
D4	3-1951	Scrapped
D5	5-1951	Scrapped
D6	8-1951	Originally preserved by BHP, D6 is currently in storage around the works. Livery: AIS Orange.
D7	11-1951	Privately preserved in Canberra, near the ARHS ACT museum. Livery: Yellow
D8	4-1951	Scrapped

D9 SERIES

Built by English Electric .

Model SE37B

Gauge 1435mm

Wheels Bo-Bo

Length 10.67m

Mass 61t

Engine EE 6KT

Power 402HP



D9 preserved at Cowra is seen standing outside of the roundhouse.
Photo: Brad Peadon

#	Build #	Built	Notes
D9	A-005	9-1956	Preserved by the Lachlan Valley Railway at Cowra Livery: Tangerine
D10	A-007	11-1956	Briefly used by Blue Circle Cement at their Portland plant (1982) and later by the same company at Berrima (1986) while the regular shunter underwent repairs. Temporarily preserved by 'Tumut - Batlow Railway', later returned to BHP and scrapped.
D11	A-009	12-1956	Sold to Sim's Metal for shunter at Mascot. Now preserved by 'Dorrigo Steam Railway and Museum'. Livery: Sims Red with blue pilot.
D12	A-010	2-1957	Scrapped
D13	A-013	5-1957	Scrapped
D14	A-014	5-1957	Scrapped
D15	A-016	9-1957	Scrapped
D20	A-041	5-1960	Preserved by the State Mine Museum Livery: Tangerine
D21	A-042	7-1960	Preserved by the State Mine Museum
D22	A-035	7-1960	Scrapped
D23	A-036	7-1960	Preserved by the State Mine Museum
D24	A-037	8-1960	Stripped at Port Kembla, Spare parts for the State Mine Museum.
D25	A-038	9-1960	Preserved by the ARHS (ACT)

D16 SERIES

Built by English Electric .

Model STE83B

Gauge 1435mm

Wheels Bo-Bo

Length 12.5m

Mass 93t

Engine EE 8SRKT

Power 850HP



A recently painted D30 around steelworks.
Photo: Chris Stratton

#	Build #	Built	Notes
D16	A-030	12-1959	Stored
D17	A-031	2-1960	Stored
D18	A-032	3-1960	Scrapped
D19	A-033	3-1960	Owned by Pacific National - In Service
D26	A-039	10-1960	Stored
D27	A-040	10-1960	Owned by Pacific National - In Service
D28	A-053	12-1961	Owned by Pacific National - In Service
D29	A-054	12-1961	Owned by Pacific National - In Service
D30	A-083	7-1964	Owned by Pacific National - In Service
D31	A-084	7-1964	Stored, Source of spare parts.
D32	A-088	8-1964	Stored
D33	A-089	9-1964	Stored

D35 SERIES

Built by English Electric

Model STE101B.

Gauge 1435mm

Wheels Bo-Bo

Length 12.81m

Mass 90t

Engine EE 6CSRTK

Power 1012HP



D36 in the latest livery of Bluescope Yellow and the name of her new owner 'Pacific National' rolls past the Cringila exchange sidings. Photo: Chris Miller

#	Build #	Built	Notes
D35	A-236	11-1971	Scrapped following head on collision at Central Kembla
D36	A-237	12-1971	Owned by Pacific National - In Service
D37	A-238	12-1971	Scrapped following head on collision at Central Kembla
D38	A-239	12-1971	Owned by Pacific National - In Service
D39	A-240	1-1972	Stored
D40	A-241	1-1972	Owned by Pacific National - In Service
D41	A-269	4-1974	Hired to the NSWPTC from the late 70s into the early 80s. Used in the Illawarra area. Owned by Pacific National - In Service
D42	A-270	4-1974	Hired to the NSWPTC from the late 70s into the early 80s. Used in the Illawarra area. Owned by Pacific National - In Service
D43	A-271	8-1974	Hired to the NSWPTC from the late 70s into the early 80s. Used in the Illawarra area. Owned by Pacific National - In Service
D44	A-272	7-1975	Stored
D45	A-273	8-1975	Owned by Pacific National - In Service

D34

Model: STE195C

Built by English Electric

Gauge 1435mm

Wheels Co-Co

Length 16.5m

Mass 132t

Engine EE 8SRKT

Power 1950HP

Speed 16 km/h



D34 at Unanderra. Photo: Brad Peadon

#	Build #	Date	Notes
D34	A-197	5-1969	Stored at steelworks.

D47 SERIES

Model: M195C

Built by English Electric

Gauge 1435mm

Wheels Co-Co

Length 16.76m

Mass 110t

Engine EE 12CSVT

Power 1950HP

Speed 19km/h

D47 and D51 at West Dapto on the Wongawilli line.
Photo: Brad Peadon

#	Build #	Date	Notes
D46	A-132	11-1966	Built new as Goldsworthy A3. Never used in service at BHP Port Kembla. Sold to South Spur Rail in 2004.
D47	A-146	3-1967	Built new as Goldsworthy A5. Sold to South Spur Rail in 2004. In service with Coote Industrial Rail.
D48	A-242	3-1972	Built new as Goldsworthy A7. Believed to have trialed around steelworks in Goldsworthy livery, but never officially entered service in the works. Sold to South Spur Rail in 2004. In service with Coote Industrial Rail.
D49	A-243	3-1972	Built new as Goldsworthy A8. Sold to South Spur Rail in 2004. In service with Coote Industrial Rail.
D50	A-110	3-1966	Built new as WAGR K202. Withdrawn from BHP service with accident damage and later sold to South Spur Rail for spare parts.
D51	A-111	3-1966	Built new as WAGR K203. Sold to South Spur Rail in 2004. In service with Coote Industrial Rail.

101 102 Austrac Lease Unit

Model: DL500G

Built by Goodwin Alco

Gauge 1435mm

Wheels Co-Co

Length 18.67m

Mass 115t

Engine ALCo 12-251C

Power 2000HP



102 is seen stored at Junee after her time at BHP had ended. Shortly she would be taken to Newcastle for rebuild into a new GL class.
Photo: Jonathan Thomas

#	Build #	Built	Notes
101	G-6045-29	7-1972	Originally NSW Railways 44229, Sold to Austrac and leased to BHP as 101. Later sold to CFCLA and rebuilt as GL109. In service.
102	G-6045-33	11-1972	Originally NSW Railways 44233, Sold to Austrac and leased to BHP as 102. Later sold to CFCLA and rebuilt as GL107. In service.

103 - Austrac Lease Unit

Built by Goodwin Alco, rebuilt by Austrac .

Model: DL541

Gauge 1435mm

Wheels Co-Co

Length 17.88m

Mass 113t

Engine Alco 12 251C

Power 1950hp



103 101 at Brownsville.

Photo: Chris Stratton

#	Build #	Built	Notes
103	84179	10-1963	Originally NSW Railways 4537, Sold to Austrac and leased to BHP as 103. In service with Pacific National (Patrick Rail)

LYSAGHT LOCOMOTIVES

LYSAGHT JL1-3

Model: 45T

Built by Goninan

Gauge 1435mm
 Wheels B-B
 Length 8.33m
 Mass 36t
 Engine Cummins HBI-600 (JL1-2)
 Cummins H-6-BI
 Power 360HP



The last survivor, JL3, is seen here preserved at the Dorrigo Steam Railway and Museum during 2007.
 Photo: John Clevedon

#	Build #	Built	Notes
JL1	4	6-1955	Scrapped
JL2	5	7-1955	Scrapped
JL3	17	12-1962	Preserved at the Dorrigo Steam Railway and Museum

LYSAGHT JL4

Model: L85T

Built by Goninan.

Gauge 1435mm
 Wheels B-B
 Length 10.33m
 Mass 72t
 Engine Cummins NT335-BI
 Power 540HP



JL4 on a CRM shunt during 1983.
 Photo: Chris Stratton

#	Build #	Built	Notes
JL4	9260-27	1967?	Scrapped

LIVERIES

The livery listing below outlines each distinct livery the fleet has been in, as well as noted variations over the years.
If you are able to add to it please email me at PRHS.Society@gmail.com.

Original Tangerine (1950) – Tangerine body with angular black striping at cab and hood ends.
D1-D33

AIS Orange (1969) – Orange body with black valance and underframe. Red pilots and white steps.
D1-D45

AIS/BHP Red Livery - Red body with double white striping, dropping to a V shape on cab and hood ends. Black roof, valance and underframe.

D7*	<u>D16</u>	<u>D17</u>	D18	<u>D19~</u>		
D26#	D27	D28	<u>D29</u>	D30*	D31*#	D32
D33						
D34!						
D35#^	D36#	D37#	D38~^	D39~	<u>D40</u>	D41
D42*	<u>D43</u>	<u>D45*</u>				

Underlined - BHP lettering in white circle.

* - AIS lettering carried in white circles.

- Two-tone BHP logo in white square on sides and hood end, Stripes drop to a V on cab end only.

~ - Two-tone BHP logo in white square on sides and hood end, Stripes continue straight across cab end..

^ - Two-tone BHP logo on sides and hood end, single white band with black 'BHP Steel RAIL OPERATIONS' on sides.

! - Two-tone BHP logo on hood and both sides, single white band with black 'BHP Steel' on sides.

% - Two tone logo on hood end and in white circles on hood sides..

~- Two-tone logo on hood sides.

Yellow Lysaghts/BHP Livery – Yellow body with black angular striping (both ends), roof, valance and underframe. Two tone logo with black 'BHP Steel RAIL OPERATIONS' on both sides. White buffers and steps.

D7			
D21*	D23^	D24#	
<u>JL1</u> (Ann)	<u>JL2</u> (Primrose)	<u>JL3</u> (Helen Mary)	
<u>JL4</u>			

Underlined – Angular black stripes both fronts of centralized cab and on hood ends.
JL1,2 and 3 also carried cabside nameplates.

* - Additional 'Zincalume' wording on both sides.

^ - Additional 'Colourbond' wording on both sides.

- Additional 'Galvabond' wording on both sides.

BHP Blue Livery – Light blue body with red and black striping. White sections on hood end, sides and valance, with grey underframe and deep aqua roof.

<u>D16</u>	<u>D19</u>	D27*	D28*	D29*	D30*	D32*
D33*						
D34*						
<u>D36</u>	D37*^+	D38*^	<u>D39*</u>	D40*^+	D41*+	D42*+~
D47''~	D50#	D51#				

Underlined – Black logo on hood end and sides, with black 'BHP' on sides.

* - Two-tone logo on hood end and sides, with black 'BHP Steel RAIL OPERATIONS' on sides.

^ - Aqua colour, along with red and black stripe drop to a V shape on cab front.

+ - Black and red stripe angle up on cab end to form an upside down V.

~ - Dark orange valance and/or pilots. A later addition.

'' - Black logo both hood ends and sides, Black 'BHP' on both sides, with dark orange pilots.

- Two-tone logo on both hood end and sides, with black 'BHP STEEL' on sides.



State Mine - Photo: Brad Peadon

BHP Yellow Livery – Yellow body, black roof and striping, deep orange striping, valance and pilots, with grey underframe. White panels on hood end and both sides, along with steps.

D17+	D19~^#	D28#	D29^#+	D30^#+	D33#+
D36^#	D38~^#	D40^#	D42^	<u>D45+^#</u>	
D49+	D51+				

Underlined – Wore a lighter yellow compared to others in the livery.

* - White panel at hood ends extended down to the footplate, where D51 was much shorter.

~ - Black 'BHP Steel' on hood.

^ - 'pacific national' logo on sides of hood.

- Light blue 'Bluescope' name and logo on hood end and sides.

+ - Black logo on hood end and both sides, with black 'BHP' on both sides. D30 had a version with smaller lettering and logo, with the white panel being full hood height.

Bluescope Yellow Livery – Light yellow body with black roof, light blue band and white valance, hood end and section on sides. Light blue and yellow angled stripes on pilots.

D19*	D28~	D36	<u>D38*</u>	D40~
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Underlined – 'pacific national' logo and 'SAFETY Smart' logo and writing in white panels on cab sides, 'Take 2, Stop, Plan, Act' in white lettering along blue stripe on hood sides.

* - Light blue Bluescope logo on hood end and sides, with black BHP Steel on sides.

~ - Light blue Bluescope logo on hood end and sides, with black Bluescope Steel on sides.

Unique Liveries

D20 – While not official, the yellow hood sides off D24 adorned D20. It is unlikely it did anything other than shunt the Steelhaven workshops in this condition.

D34 - wore a variation of the red livery having a single thicker white band around the hood only, with angled white stripes on cab end. The triangular 'Australian Made' logo appeared on hood end and both sides, with 'AUSTRALIAN STEEL' appearing in the white banding on hood sides. Roof, valance and underframe were all black.

D44 - has had two variations to its red livery, both incorporating the names 'HAWKS STEELERS WOLVES'. The original version had the lettering in red around red AIS lettering, the later inside three angular white stripes from footplate to roof.

Trial Liveries

D1 and D2 (1950) – originally appeared in works paint job of grey primer.

D4 (1960s) - Tangerine body with fluorescent orange ends with black striping.

D16 (1960s) - Tangerine body with black striping on ends and white striping on valance

D32 (1989) - Cream body with dark green roof, valance, pilots, underframe and thin band around cab and part of hood. Red highlights on bogies, two-tone logo on hood end and both sides, with black 'BHP Steel RAIL OPERATIONS' on both sides.

Pre-Steelworks Liveries

D46-D51 – all arrived at the steelworks in Goldsworthy orange and cream livery.

Post-Steelworks Liveries

D1 – New South Wales Rail Transport Museum – While retaining its 1969 orange livery (as above) it wore 'Amtrak' lettering for a short time for filming purposes.

D11 – Sims Metal at Mascot – Red body with blue pilots and buffers.

D25 – ARHS (ACT) – Red body with black roof and valance, yellow lining and pilots, white steps and wheel rims, red driving rods.

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Personal notes and photography

LocoShed Yahooogroup

BHP Rail by Don Drysdale

Locomotive Builders Manuals (Various)

LocoPage - John Clevedon

Additional information, photographs and corrections are always welcome for future updates of this fleetlist.

If you are able to help please email the compiler at PRHS.Society@gmail.com