Extract: Mossman Mill only
Introduction to the 2007 electronic edition

Visitors to the canefields and viewers of historic canefield photographs understandably want to know what they are seeing, thus 'What locomotive is that?' is one of the most common queries received by railfans and mill employees alike.

The answers for modern cane railways can often be found in loco lists on the LRRSA (Light Railway Research Society of Australia, www.lrrsa.org.au), CaneSIG (www.zelmeroz.com/CaneSIG), and other web sites. However, identifying historic locomotives has not been as easy since the 1978 listing by John Browning and David Mewes has been out of print for many years. Hopefully this electronic reproduction, taken from the 1979 reprint, with amendment lists, will help serve the historic need. The pages were scanned as images and assembled into a pdf document. To assist in downloading, files have been assembled for individual mills as well as the full document. The original publication was duplicated and bound as a half 8.5" x 11" format. The electronic pages have been slightly reduced as part of the scanning and reproduction process, but could be rescaled on your computer and printed in a larger size if required.

ANGRMS has changed locations since the publication of the original hard copy listing. Please use the address on the bottom of each page or visit the web site at www.angrms.org.au.

Lynn Zelmer, July 2007
ANGRMS Webmaster
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Cover photo : Mulgrave Mill was the first to dieselise completely. Here number 1, Baguley/RMP 0-6-0DM 3377 of 1953 stands by the shed.

Photo : E.W.H.Ward

ANGRMS: Australian Narrow Gauge Railway Museum Society, PO Box 1135, Woodford, Qld 4514 Australia
FORWARD

The locomotive lists in this booklet reflect the position as known to the compilers as of August 1976. The information contained is based on the observations and research of the compilers and others, and we rely on our readers to keep the records up to date. The compilers would be very pleased to receive any reader’s comments or any reports of observations. In this way, any errors or omissions may be corrected, and future developments recorded.

It is hoped that future booklets in this series may follow, providing more details of the mill tramway systems, their history and their locomotives and rolling stock.

Many people have helped the compilers in their researches for this publication, but special thanks are due to John Armstrong, George Bond, Keith McDonald, G.R. Frisbee, Eric Tonks, Rodney Keevers and Russell Wilson. However, all inaccuracies remain the responsibility of the compilers.

We are particularly grateful to Keith McDonald for allowing us to use some of his 35mm to the foot locomotive drawings, and to Ray Silla for tracing them.

THE AUSTRALIAN NARROW GAUGE RAILWAY MUSEUM SOCIETY

This booklet has been published by the Australian Narrow Gauge Railway Museum Society. The Society’s main purpose is the establishment of a museum of locomotives and other equipment used on the sugar mill tramways and other light railways. The museum, to be located near Frisbee, will be centred around an operating railway, and a sizeable collection of steam and internal-combustion locomotives has already been acquired. Members receive a bi-monthly magazine “Steam Talk”, which includes news and articles on the mill tramway systems, and also a monthly “Newsletter” about Society activities and achievements.

If you are interested in joining the Society, or require further details, please write to:
The Membership Secretary,
A.N.G.R.M.S.,
P.O. Box 273,
NORTH LAY 4000
Queensland.

INTRODUCTION

This publication has been produced as a guide for those interested in the locomotives used in the Queensland Sugar Industry. It is hoped that it will give some way to make aware of the extent and importance of the cane tramways of Queensland.

To give readers some idea of the scale of operations, trains of up to 1,000 tonnes are now handled on the Victoria Mill system, which must handle 18,000 tonnes each day. 20 single-cylinder 30-tonne diesel locomotives haul 1,200 cane bins on the tramway system, the longest line of which stretches 35 miles from the mill. Train schedules are so complex that they are worked out by computer. The value of a locomotive and loaded train can be as much as $750,000. It is quite likely that the next generation of cane haulage will be 30-tonne 6-C diesel-hydraulic locos hauling 14-tonne bogie cane bins. Although Victoria Mill is the largest, the other mills have similar-scale versions of the same thing - sophisticated equipment and intensive working. Nevertheless, the traditional charm of the narrow gauge can still be seen, for steam locomotives remain in daily use at two mills, and modern diesel locos haul quaint ‘navies’ trains at quite a number.

The cane tramways normally work during the “crush” for six months of the year, from June to November. During the “slack”, the locomotives and tramway systems receive heavy maintenance.

Sugar Mills are large industrial plants, and the tramways usually run on private property. It is important to remember that access is only available through the good will of the owners concerned. Permission should be obtained before entering workshops and sheds. Be sure not to be a nuisance or hold up production, and be aware of the need for safety at all times.

THE MAPS

The maps in this booklet are provided to give the reader an indication of the location of each sugar mill and its main tramline. Reference to the appropriate map will be found at the head of each locomotive list. It is suggested that these maps be used in conjunction with an inexpensive road map, such as the Shell map of Queensland. For a more accurate guide to the roads and tramways in each mill area, there is no substitute for the Australian Government 1 : 100 000 Topographic Maps, although even these contain some inaccuracies, and are expensive.
Arrangement of locations
The sugar mills are arranged geographically, starting with the most southerly and moving northwards. Bulk sugar terminals appear at the end of the booklet.

Track Mileage and Gauge
This information appears at the head of each list.

Loco livery
As an aid to recognition, the basic colour scheme applied to the main-line locomotives at each location is shown. Newer locos and line cars may be painted differently. Where there is no consistent livery applied to locos, the colour of each one is shown in the "Remarks" column.

Number and/or Name
This information appears in the first column of each list. Official numbers or names carried are shown in brackets.

Wheel arrangement
The axle system of classification is used in the main, but the Continental system is used in the case of bogie diesel locos. However, when the driving wheels of internal-combustion locos are not connected by outside rods, but by chains, this is denoted by 4w (four wheeled) or 6w (six wheeled). If only the rear axle is powered, this is shown as 2-w.

DM - Diesel locomotive with mechanical transmission
DH - Diesel locomotive with hydraulic transmission
PM - Petrol locomotive with mechanical transmission
PH - Petrol locomotive with hydraulic transmission
R - Railcar - a vehicle designed primarily as a personnel carrier
T - Trolley

Builder
The builder is shown in the next column. A list of abbreviations used appear on page 7 opposite.

reb. - Rebuilt. This is only included where the loco carries a plate denoting its rebuild, or where radical structural change has resulted.

Meeker's number, year of construction, and model/type
This information appears in the next three columns.

Remarks
The last column contains remarks (usually by reference to notes below).

Des. - Dismantled
Dlt. - Derelict
Pmd. - Preserved on site

Brake wagons
These units are heavy powered vehicles, constructed with loco-type frame ballasted for extra weight. They carry an air compressor powered by a diesel or petrol engine, and are air braked. The brake wagon is usually marshalled at the rear of a train, and it is controlled from the loco by means of radio signals, to supplement the loco's braking power.
Browning, John, Mewes, David (1978). Australian Sugar Industry Locomotives

MORRIS CENTRAL MILL CO. LTD., MORRIS MILL.

Track Mileage: 48
Gauge: 2'0"

Loco livery: Light Blue & Yellow

<table>
<thead>
<tr>
<th>No.</th>
<th>Locomotive</th>
<th>Type</th>
<th>Date</th>
<th>Manufacturer</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>WORKER</td>
<td>0-6-ODH ContEng</td>
<td>1954</td>
<td>BS/BBF</td>
</tr>
<tr>
<td>2</td>
<td>MOSSMAN</td>
<td>0-6-ODH ContEng</td>
<td>1957</td>
<td>AA</td>
</tr>
<tr>
<td>3</td>
<td>DOUGLAS</td>
<td>0-6-ODH ContEng</td>
<td>1963</td>
<td>AL</td>
</tr>
<tr>
<td>4</td>
<td>COCK</td>
<td>0-6-ODH ContEng</td>
<td>1964</td>
<td>AL</td>
</tr>
<tr>
<td>5</td>
<td>PANDOCH-A-BALLOUGH</td>
<td>0-6-ODH ContEng</td>
<td>1965</td>
<td>AL</td>
</tr>
<tr>
<td>6</td>
<td>IVY</td>
<td>0-6-ODH ContEng</td>
<td>1965</td>
<td>AL</td>
</tr>
</tbody>
</table>

(7) DAINTREE B-B DI EMB 7303-1-7-77 1977 DH28B

Ivy

O-4-2T JF 15947 1922 Pvd.
2-2MPW

(a) Converted from 0-6-ODH
(b) ex War Disposals. Converted from 4wPV.

Belated tender

IWDH Plasser 111 1976 KXF-06

ANGRMS: Australian Narrow Gauge Railway Museum Society, PO Box 1135, Woodford, Qld 4514 Australia
Bundaberg Foundry

Classification of diesels is by the letters BJ (Bundeburg Jenbach - built under licence from Jenbacher Werke, Austria), followed by a number indicating nominal horsepower. Steam locos were built under licence from John Fowler & Co. (Leeds) Ltd., Leeds, UK.

Baguley/Drewry

Locomotives supplied to Queensland were either 135 hp or 150 hp nominal. The dates recorded in this booklist are the official dates ex-works, which may vary from those shown on workplates. Baguley kept builder's numbers in the 2xxx series specially for Drewry orders.

Baguley/DPW

Type 808 was fitted with Gardner 6LW engine, 808 with 8LW.

Clyde & Clyde (Clady)

Model DH-71 is 170 hp 18 ton design, and NO-30 is 263 hp 16-24 ton design. The initial series of DH locos were numbered from 1 to 7, but from 1955, the locos were numbered with a prefix denoting year of manufacture, followed by a serial number. Engines are by OW.

Co-Eng

Until 1959 (serial number 35), classification was by an initial letter. However, this scheme was discontinued and replaced by another which indicates general type (first letter) and engine or transmission variations (second letter). Such locos were also allocated retrospectively to those locos already built under the old classification scheme. Code letters of the general types are as follows: A = 0-6-0 DH or DE, 14-16 ton. 150-205 hp, B = 0-4-2 DH, 2-4 ton. 112 hp. C = 0-6-0 DH, 19-25 ton. 250-277 hp, D = 4w DM, 4-8 ton. 76 hp.

The first two numbers denote the code for the particular variant (numbered in sequence from 10 upwards). The last two or three numbers are serial number.

R.M. Baldwin

Classified by DH or DE (Diesel mechanical or hydraulic), and a figure giving the weight in tons. The suffix B or T denotes Bogie and Tunnelling loco respectively. The numbering system is not completely consistent, but consists of 2 digits (early locos only), an order number, a number indicating the unit's part in the order, and numbers indicating month and year of despatch. Engines are mostly by OW and Caterpillar.

Motor Rail

An earlier numbering scheme (up to 9999) was replaced by one where locos in the 10xxx range were 60 hp nominal and those in the 20xxx range were 40 hp nominal.

Perry

Numbers consist of job number, year of construction, and serial number of locomotives built under that job number.

Ruston & Hornsby

Classification is by nominal horse power plus DL (Diesel locomotive). The suffixes G and U indicate large and small class respectively. The number is in a series of all Ruston equipment, which includes the engine carried by the loco.
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John Fowler 20776 46
Walkers 570 50
Walkers 583 50
Browning, John, Mewes, David (1978). Australian Sugar Industry Locomotives

THE AUSTRALIAN NARROW GAUGE RAILWAY MUSEUM SOCIETY
AUSTRALIAN SUGAR INDUSTRY LOCOMOTIVES 1978
Amendment list 1. October 1978

P.7 LOCOMOTIVE AND EQUIPMENT BUILDERS
Add ERI Comeng Araco Pty. Ltd., Dry Creek, SA.
Amend add North Queensland Engineers & Agents Pty. Ltd., Cairns, Qld.
Add (Cairns Rail Group) to Temper details.

P.11 STS CENTRAL SUGAR MILL CO. LTD.
Amend loco livery details to yellow & grey.

P.18 PLANE CREEK CENTRAL MILL CO. LTD.
Amend Bit to B1 to B1 (form. B1).

P.19 RACECOURSE CO-OPERATIVE SUGAR ASSOCIATION LTD.
Add: 0-4-2DM to HH 52120

P.23 NORTH BAY CO-OPERATIVE SUGAR MILLING ASSOCIATION LTD.
Amend model number of RP 13 to RP 20.

P.25 PARKHURST CO-OPERATIVE SUGAR MILLING ASSOCIATION LTD.
Add: Brake wagon.

P.26 PROSERPINE CO-OPERATIVE SUGAR MILLING ASSOCIATION LTD.
Add (c) to Giese.

P.27 PIONEER SUGAR MILLS LTD., INGHAM MILL.
Amend loco livery details to blue.

P.30 THE AUSTRALIAN ESTATES CO. LTD., KALAMIA MILL.
Add (c) to ATLANTIC and DEIKA.

P.32 PIONEER SUGAR MILLS LTD., PIONEER MILL.
Amend MACDOWNS to MCDOWNS.

P.34 CSR LTD., VICTORIA MILL.
Add (c) to Giese.

P.35 SOUTH JOHNSTONE CO-OPERATIVE SUGAR MILLING ASSOCIATION LTD.
Delete Q.4.S. names and numbers from Coombe AQ13711, Comeng AA13544
Add 3390

P.41 HOWARD SMITH INDUSTRIES PTY. LTD., MOURILYAN MILL.
Delete number and name from Coombe B1112 and add 8

Ang RMS: Australian Narrow Gauge Railway Museum Society, PO Box 1135, Woodford, Qld 4514 Australia
Browning, John, Mewes, David (1978). *Australian Sugar Industry Locomotives*

p.43  CSR LTD., GOONDIE MILL
Add (g) to Clyde 50-93
Amend 0-4-0DH EMB to
6
Amend No.4 SIMPLEX to
8 (No.2 SIMPLEX) 4wDM
MR
Delete JF 18808 (scrapped, 1976)
Add DL15 NERADA 0-6-2GN CoaEng B1111 1956 AA (1)
Add footnote (g) Fitted with EMB soundproofed cab, 1978
Add footnote (h) ex Hambledon Mill, c.1965. Converted from 4wPM

p.44  BABINDA CO-OPERATIVE CENTRAL MILL SOCIETY LTD.
Amend date of CoaEng A1021 to 1977
Amend date of CoaEng A0027 to 1956

p.47  MULGRAVE CENTRAL MILL CO., LTD.
Amend CoaEng A1010 to CoaEng B1010
Add (No.1 SIMPLEX) and (a) to KE A207
Amend 4wDM 1924 to
(No.2 SIMPLEX "THE PIĘ CART") 4wDM Mulgrave 1960
Add footnote (a) Converted from 4wPM
Add date 1972 to NQE brake wagon

p.48  CSR LTD., HAMBLEDON MILL
Amend (4) to 4
Amend 4 to (4) and add builder's number 2090
Amend 7 to (7)

p.49  MOSSMAN CENTRAL MILL CO., LTD.
Amend loco livery details to Pale Blue & Pale Yellow (MOSSMAN
is Bright Yellow & Pale Blue)
New loco livery for 1979 will be
Bright Yellow & Pale Blue.
Amend FAUGH-A-BALLOUGH to FAUGH A BALOUGH