



SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA JUNE QUARTER 1983

- PHONE INQUIRIES** *for more information about these statistics—contact Mr Keith Woolford on Canberra (062) 52 5558 or any of our State offices.*
other inquiries including copies of publications—contact Information Services on Canberra (062) 52 6627 or in any of our State offices.
- MAIL INQUIRIES** *write to Information Services, ABS, P.O. Box 10, Belconnen, A.C.T. 2616 or any of our State offices.*

EXPLANATORY NOTES

Introduction

This publication contains statistics relating to the sales in Australia of imported and Australian-made new construction machinery, industrial tractors, and selected attachments.

2. These statistics have been derived from returns collected from principals marketing new construction machinery, industrial tractors and selected attachments. The principals are those businesses in Australia which, in respect of the items of new construction machinery and attachments specified in the return, (a) market under their own name(s) or trade name(s), or (b) import into Australia and market under the name(s) or trade name(s) of overseas businesses.

3. For the purpose of these statistics a sale occurs when the machinery or attachment is delivered or it is in transit to the end user.

4. Details relating to attachments cover attachments sold separately and attachments mounted on tractors.

Related publications

5. Statistics on agricultural machinery and tractors are available from this Bureau in the following publications.

New Agricultural Machinery Australia (8505.0)—issued quarterly
Sales and Stocks of New Tractors, Australia (8507.0)—issued quarterly
Manufacturing Commodities, Principal Articles Produced, Australia, 1979-80 and 1980-81 (8303.0)

6. Current publications produced by the ABS are listed in the *Catalogue of Publications, Australia (1101.0)*. The ABS also issues, on Tuesdays and Fridays, a *Publications Advice (1105.0)* which lists publications to be released in the next few days. The Catalogue and Publications Advice are available from any ABS office.

Symbols and other usages

- nil or rounded to zero
- n.p. not available for separate publication (but included in totals where applicable)

R. J. CAMERON
Australian Statistician

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA
(Number of units sold)

Type of implement or attachment	Year ended	Quarter ended				
	June 1983	June 1982	Sept. 1982	Dec. 1982	March 1983	June 1983
1. TRACTORS (Includes only the Bare Machine : Excludes Tractor Bases for Loaders).						
Crawler tractors having a shipping mass of—						
Up to but not exceeding 10,000 kg	82	38	n.p.	12	n.p.	19
Exceeding 10,000 kg but not exceeding 15,000 kg	65	32	n.p.	16	19	n.p.
Exceeding 15,000 kg but not exceeding 20,000 kg	42	32	11	n.p.	n.p.	21
Exceeding 20,000 kg but not exceeding 30,000 kg	50	n.p.	n.p.	8	7	n.p.
Exceeding 30,000 kg	59	n.p.	n.p.	n.p.	n.p.	35
Total Crawler Tractors	298	134	69	51	60	118
Wheeled tractors, rubber tyred, four wheel drive—						
Maximum P.T.O. kw.						
Up to but not exceeding 60 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 60 but not exceeding 90 P.T.O. kw	—	—	—	—	—	—
Exceeding 90 P.T.O. kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Wheeled Tractors	37	15	n.p.	n.p.	n.p.	n.p.
2. SELECTED ATTACHMENTS						
Sold singly or as original equipment with Prime Mover.						
Dozers—for use with						
Wheeled tractors—						
two-wheel drive	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
four-wheel drive	n.p.	n.p.	n.p.	83	n.p.	n.p.
Crawler tractor	275	97	53	n.p.	54	100
Total Dozer Attachments	605	187	143	164	119	179
Rippers	331	145	84	70	69	108
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).						
Up to and including 0.4 cu metres	178	91	41	34	n.p.	n.p.
Over 0.4 cu metres up to and including 0.5 cu metres	642	219	129	161	102	250
Over 0.5 cu metres up to and including 0.75 cu metres	186	127	49	n.p.	n.p.	n.p.
Over 0.75 cu metres	30	16	8	n.p.	n.p.	n.p.
Total Loader Attachments	1,036	453	227	247	208	354
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.						
Classified by digging depths to IEMC standard 5 centre mounted.						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4.5 metres max. digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 4.5 metres maximum digging depth	26	28	n.p.	7	n.p.	8
Total tractor mounted or trailing	102	n.p.	n.p.	n.p.	12	n.p.
Side-shift—						
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Over 3.5 metres up to and incl. 4 metres max. digging depth	448	132	120	86	71	171
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total side-shift	611	n.p.	144	121	107	239
Total Hydraulic Backhoes	713	288	172	150	119	272
3. LOADERS						
Complete machines comprising tractor, loader arms and bucket.						
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a).						
Crawler loaders						
Up to and including 1.0 cu metres	80	32	9	24	n.p.	n.p.
Over 1.0 cu metres up to and including 1.2 cu metres	28	11	n.p.	n.p.	6	10
Over 1.2 cu metres up to and including 1.5 cu metres	32	13	7	8	4	13
Over 1.5 cu metres up to and including 1.9 cu metres	14	n.p.	n.p.	n.p.	n.p.	9
Over 1.9 cu metres	11	n.p.	n.p.	n.p.	n.p.	n.p.
Total Crawler Loaders	165	63	23	48	26	68
Wheel loaders, four wheel drive						
Up to and including 0.5 cu metres	126	79	52	n.p.	n.p.	n.p.
Over 0.5 cu metres up to and including 1.0 cu metres	53	16	18	n.p.	7	n.p.
Over 1.0 cu metres up to and including 1.5 cu metres	108	62	33	27	21	27
Over 1.5 cu metres up to and including 1.8 cu metres	73	35	n.p.	18	n.p.	36
Over 1.8 cu metres up to and including 2.5 cu metres	107	n.p.	19	33	18	37
Over 2.5 cu metres up to and including 3.0 cu metres	49	n.p.	n.p.	10	9	n.p.
Over 3.0 cu metres	64	47	12	17	12	23
Total wheel Loaders	580	291	158	148	98	175

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA—
continued
 (Number of units sold)

Type of implement or attachment	Year ended		Quarter ended			
	June 1983	June 1982	Sept. 1982	Dec. 1982	March 1983	June 1983
4. MOTOR GRADERS						
Rated net flywheel power (with accessories) at governed R.P.M.						
Up to and including 75 kw	25	n.p.	n.p.	n.p.	n.p.	9
Over 75 kw up to and including 100 kw	75	19	n.p.	n.p.	n.p.	n.p.
Over 100 kw	152	n.p.	37	55	n.p.	n.p.
Total Motor Graders	252	104	72	75	44	61
5. SCRAPERS WITH OR WITHOUT ELEVATORS						
Heaped capacity—						
Up to but not exceeding 20 cu m	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Exceeding 20 cu m	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Scrapers	32	40	14	n.p.	n.p.	12
6. OFF HIGHWAY TRUCKS						
Payload capacity—						
Up to and including 45 tonnes	n.p.	n.p.	—	n.p.	—	n.p.
Over 45 tonnes up to and including 80 tonnes	n.p.	n.p.	9	n.p.	n.p.	n.p.
Over 80 tonnes	69	14	19	n.p.	n.p.	24
Total Off Highway Trucks	88	36	28	n.p.	21	n.p.
7. EXCAVATING MACHINERY						
(operating weight equipped with standard backhoe configuration)						
Wheel mounted (b)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Crawler mounted (c) (including dredging machinery)—						
Up to and including 18 tonnes	24	n.p.	4	9	6	5
Over 18 tonnes up to and including 25 tonnes	57	34	10	20	7	20
Over 25 tonnes	n.p.	14	n.p.	n.p.	n.p.	n.p.
Total Excavators	165	74	34	57	22	52
8. TAMPING AND COMPACTING MACHINERY						
Pedestrian guided (all types)	1,573	321	469	385	362	357
Drawn—						
Vibrating rollers	19	n.p.	n.p.	n.p.	n.p.	n.p.
Non-vibrating rollers	16	n.p.	n.p.	n.p.	n.p.	n.p.
Total Drawn Rollers	32	7	6	n.p.	4	n.p.
Self-propelled—						
Vibrating rollers—						
Rubber wheel	201	n.p.	62	49	55	35
Steel wheel	173	n.p.	63	n.p.	17	30
Non-vibrating rollers—						
Rubber tyre	n.p.	n.p.	n.p.	—	n.p.	n.p.
Steel wheel	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Tamping foot	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total Self-Propelled Rollers	411	128	135	116	79	81
9. MOBILE CRANES (d) excluding self-propelled excavators and powered store trucks (lifting capacity maximum)—						
Self-propelled rough terrain and wagon types	48	15	9	n.p.	12	n.p.
Truck and carrier mounted type						
Up to and including 10 tonnes	35	n.p.	n.p.	12	10	n.p.
Over 10 tonnes up to and including 20 tonnes	n.p.	n.p.	n.p.	n.p.	—	n.p.
Over 20 tonnes	n.p.	n.p.	8	6	n.p.	n.p.
Wheeled tractor type—						
Up to and including 5 tonnes	n.p.	—	—	n.p.	—	n.p.
Over 5 tonnes	61	n.p.	n.p.	n.p.	n.p.	14
Crawler tractor type	n.p.	n.p.	n.p.	—	—	—
Total Mobile Cranes	199	94	50	51	54	44
10. TRENCH AND DITCH DIGGING MACHINERY						
(excluding backhoes), all types	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
11. LOG SKIDDERS	26	n.p.	5	n.p.	6	n.p.

(a) The standard bucket is an actual bucket offered for sale with capacity no greater than that calculated to provide an operating load in accordance with SAE J818(a) using material of 1800 kg/cu metre density. The machine should be in a standard configuration and exclude any optional counter weighting. (b) Includes pedestal mounted excavators which would normally be sold attached to rubber-tyred, truck or carrier mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (c) Includes pedestal mounted excavators which would normally be sold attached to crawler mounted units. Also includes hydraulic excavators with 270° slew and over but not hydraulic backhoes. (d) Winch and crane boom attachments sold as such are classified according to the anticipated major use e.g. if to be mounted on a wheeled tractor are shown under wheeled tractor type.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA
(Number of units sold)

Type of implement or attachment	Year ended June 1983							
	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
1. TRACTORS (Includes only the Bare Machine. Excludes Tractor Bases for Loaders).								
Crawler tractors having a shipping mass of—								
Up to but not exceeding 10,000 kg	28	n.p.	34	n.p.	n.p.	n.p.	n.p.	82
Exceeding 10,000 kg but not exceeding 15,000 kg	8	n.p.	29	n.p.	n.p.	4	n.p.	65
Exceeding 15,000 kg but not exceeding 20,000 kg	9	n.p.	12	n.p.	n.p.	n.p.	—	42
Exceeding 20,000 kg but not exceeding 30,000 kg	n.p.	n.p.	9	—	8	5	n.p.	50
Exceeding 30,000 kg	n.p.	n.p.	28	—	n.p.	16	n.p.	59
Total Crawler Tractors	63	46	102	n.p.	27	39	n.p.	298
Wheeled tractors, rubber tyred, four wheel drive—								
Maximum P.T.O. kw.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Up to but not exceeding 60 P.T.O. kw	—	—	—	—	—	—	—	—
Exceeding 60 but not exceeding 90 P.T.O. kw	n.p.	—	n.p.	—	n.p.	—	—	n.p.
Exceeding 90 P.T.O. kw	n.p.	—	n.p.	—	n.p.	—	—	n.p.
Total Wheeled Tractors	10	n.p.	n.p.	n.p.	n.p.	n.p.	—	37
2. SELECTED ATTACHMENTS								
Sold singly or as original equipment with Prime Mover.								
Dozers— for use with								
Wheeled tractors—								
Two-wheel drive	n.p.	n.p.	n.p.	n.p.	—	—	—	n.p.
Four-wheel drive	n.p.	n.p.	n.p.	n.p.	—	n.p.	n.p.	n.p.
Crawler tractor	64	39	107	n.p.	n.p.	n.p.	n.p.	275
Total Dozer Attachments	284	81	167	20	n.p.	30	n.p.	605
Rippers	101	26	124	n.p.	34	23	n.p.	331
Loader attachments for two-wheel drive tractors (classified by capacity of the manufacturers standard bucket).								
Up to and including 0.4 cu metres	27	n.p.	39	n.p.	n.p.	n.p.	n.p.	178
Over 0.4 cu metres up to and including 0.5 cu metres	188	157	n.p.	n.p.	n.p.	n.p.	n.p.	642
Over 0.5 cu metres up to and including 0.75 cu metres	23	48	21	n.p.	26	n.p.	n.p.	186
Over 0.75 cu metres	8	n.p.	n.p.	n.p.	n.p.	—	—	30
Total Loader Attachments	246	238	239	n.p.	136	n.p.	n.p.	1,036
Hydraulic backhoes tractor mounted or trailing. Exclude hydraulic excavators with 270° slew and over.								
Classified by digging depths to IEMC standard 5 centre mounted.								
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	—	—	n.p.	—	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Over 4.5 metres maximum digging depth	8	n.p.	n.p.	n.p.	n.p.	—	n.p.	26
Total tractor mounted or trailing	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	102
Side-shift —								
Up to and including 3.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Over 3.5 metres up to and incl. 4.5 max. digging depth	107	94	187	42	7	n.p.	n.p.	448
Over 4.5 metres maximum digging depth	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.
Total side-shift	164	145	214	55	16	n.p.	n.p.	611
Total Hydraulic Backhoes	194	154	243	61	39	n.p.	n.p.	713

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA—
continued
(Number of units sold)

Type of implement or attachment	Year ended June 1983							
	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
3. LOADERS								
Complete machines comprising tractor, loader arms and bucket.								
Classified by loader capacity as SAE rating of standard bucket in cubic metres with a standard bucket as defined in footnote (a)								
Crawler loaders								
Up to and including 1.0 cu metres	29	17	27	n.p.	n.p.	—	—	80
Over 1.0 cu metres up to and including 1.2 cu metres	n.p.	5	10	n.p.	n.p.	3	—	28
Over 1.2 cu metres up to and including 1.5 cu metres	11	6	9	n.p.	n.p.	n.p.	—	32
Over 1.5 cu metres up to and including 1.9 cu metres	4	n.p.	—	n.p.	—	n.p.	n.p.	14
Over 1.9 cu metres	n.p.	n.p.	—	—	—	4	—	11
Total Crawler Loaders	58	32	46	n.p.	8	13	n.p.	165
Wheel loaders, four wheel drive								
Up to and including 0.5 cu metres	34	22	n.p.	n.p.	n.p.	—	—	126
Over 0.5 cu metres up to and including 1.0 cu metres	21	n.p.	n.p.	9	7	n.p.	—	53
Over 1.0 cu metres up to and including 1.5 cu metres	27	16	28	17	16	n.p.	n.p.	108
Over 1.5 cu metres up to and including 1.8 cu metres	9	10	15	10	25	n.p.	n.p.	73
Over 1.8 cu metres up to and including 2.5 cu metres	29	n.p.	29	9	18	n.p.	n.p.	107
Over 2.5 cu metres up to and including 3.0 cu metres	7	n.p.	n.p.	n.p.	14	n.p.	n.p.	49
Over 3.0 cu metres	23	4	21	n.p.	n.p.	n.p.	—	64
Total Wheel Loaders	149	76	162	62	107	16	8	580
4. MOTOR GRADERS								
Rated net flywheel power (with accessories) at governed R.P.M.								
Up to and including 75 kw	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	25
Over 75 kw up to and including 100 kw	n.p.	n.p.	n.p.	n.p.	25	n.p.	—	75
Over 100 kw	15	n.p.	58	18	n.p.	n.p.	n.p.	152
Total Motor Graders	34	43	67	33	60	n.p.	n.p.	252
5. SCRAPERS WITH OR WITHOUT ELEVATORS								
Heaped capacity—								
Up to but not exceeding 20 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.	n.p.
Exceeding 20 cu metres	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Total Scrapers	7	9	28	n.p.	n.p.	—	n.p.	52
6. OFF HIGHWAY TRUCKS								
Payload capacity—								
Up to and including 45 tonnes	—	—	n.p.	—	n.p.	—	—	n.p.
Over 45 tonnes up to and including 80 tonnes	n.p.	n.p.	n.p.	—	n.p.	—	—	n.p.
Over 80 tonnes	n.p.	—	n.p.	n.p.	—	n.p.	—	69
Total Off Highway Trucks	23	n.p.	38	n.p.	n.p.	n.p.	—	88

For footnotes see page 3.

SALES OF NEW CONSTRUCTION MACHINERY, INDUSTRIAL TRACTORS AND SELECTED ATTACHMENTS, AUSTRALIA—
continued
(Number of units sold)

Type of implement or attachment	Year ended June 1983							
	N.S.W. & A.C.T.	Vic.	Qld	S.A.	W.A.	Tas.	N.T.	Aust.
7. EXCAVATING MACHINERY (operating weight equipped with standard backhoe configuration).								
Wheel mounted (b)	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
Crawler mounted (c) (including dredging machinery)—								
Up to and including 18 tonnes	6	9	5	n.p.	—	n.p.	—	24
Over 18 tonnes up to and including 25 tonnes	12	11	9	n.p.	9	10	n.p.	57
Over 25 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
<i>Total excavators</i>	29	36	27	n.p.	30	21	n.p.	165
8. TAMPING AND COMPACTING MACHINERY								
Pedestrian guided (all types)	344	487	394	n.p.	163	n.p.	n.p.	1,573
Drawn—								
Vibrating rollers	n.p.	n.p.	n.p.	n.p.	—	—	—	19
Non-vibrating rollers	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	16
<i>Total Drawn rollers</i>	n.p.	n.p.	18	3	n.p.	—	—	32
Self-propelled—								
Vibrating rollers—								
Rubber wheel	56	61	42	n.p.	n.p.	n.p.	—	201
Steel wheel	84	29	n.p.	n.p.	n.p.	n.p.	n.p.	173
Non-vibrating rollers—								
Rubber type	n.p.	n.p.	n.p.	—	n.p.	—	—	n.p.
Steel wheel	—	n.p.	n.p.	—	—	—	—	n.p.
Tamping foot	n.p.	n.p.	n.p.	—	—	—	—	n.p.
<i>Total Self-Propelled Rollers</i>	150	94	114	22	n.p.	n.p.	n.p.	411
9. MOBILE CRANES (d) (excluding self-propelled excavators and powered store trucks (lifting capacity maximum)—								
Self-propelled rough terrain and wagon types	14	6	12	n.p.	n.p.	n.p.	—	48
Truck and carrier mounted type								
Up to and including 10 tonnes	10	4	10	n.p.	n.p.	6	—	35
Over 10 tonnes up to and including 20 tonnes	n.p.	—	n.p.	n.p.	—	—	—	n.p.
Over 20 tonnes	n.p.	n.p.	n.p.	n.p.	n.p.	—	—	n.p.
Wheel tractor type								
Up to and including 5 tonnes	n.p.	—	—	—	n.p.	—	—	n.p.
Over 5 tonnes	n.p.	—	n.p.	n.p.	n.p.	—	—	61
Crawler tractor type		n.p.	n.p.	—	—	—	—	n.p.
<i>Total Mobile Cranes</i>	53	12	31	12	83	8	—	199
10. TRENCH AND DITCH DIGGING MACHINERY (excluding backhoes), all types	n.p.	n.p.	n.p.	n.p.	n.p.	n.p.	—	n.p.
11. LOG SKIDDERS (rated net flywheel power with accessories, at governed R.P.M.)	7	8	n.p.	—	—	n.p.	—	26

For footnotes see page 3.