



CYLINDER SERVICE EXCHANGE PROGRAM

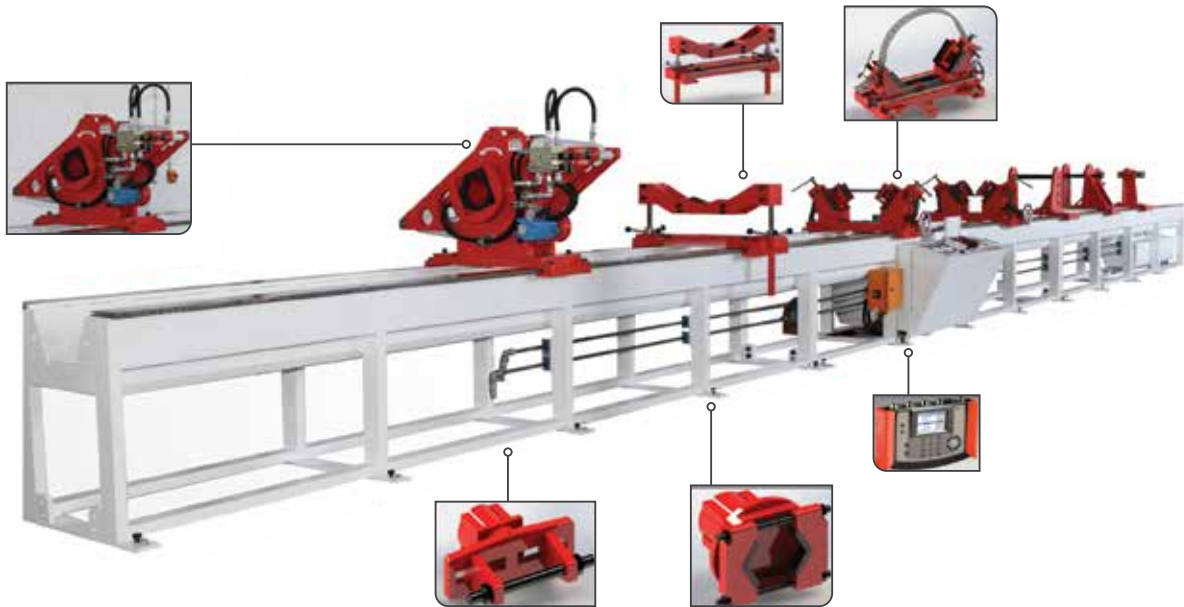
[www.berendsen.com.au](http://www.berendsen.com.au)



# ABOUT US

When it comes to keeping your heavy earthmoving equipment moving, Berendsen is an obvious choice. Berendsen has specialised in the refurbishment of hydraulic cylinders for over 25 years and has the facilities, equipment and experience to keep your heavy mobile equipment working at peak efficiency.

With equipment downtime continuing to be a source of inconvenience and unnecessary expense, we have further developed our service and repair offering to include a cylinder service exchange program.





## THE PROGRAM

Convenience is realised when you can economically replace worn hydraulic cylinders without any major downtime and without having to carry your own spares inventory.

Recognising the need for a better solution, we developed our Cylinder Service Exchange Program, which sees us immediately replacing your worn cylinder with a cylinder from our stocked range of fully-refurbished cylinders, thereby eliminating the need to wait for your worn cylinder to be repaired.

## OUR REFURBISHMENT PROCESS

Each cylinder is rigorously assessed, including bore, piston, gland and rod wear, crack detection, chrome hardness and thickness, and surface finish.

Welding processes are employed to reclaim worn clevis eyes, glands and other components before machining the part to original tolerances.

Piston rods are hard chrome plated at our chrome plating facilities, whilst barrels are honed to original specified condition in our honing stations.

Original spare parts and powerful assembly benches, equipped with hydraulic nut tensioning devices, are employed to correctly assemble cylinders to required torque specifications.

Cylinder integrity is verified on our purpose-built test rigs before painting to factory freshness in our in-house paint shops to complete the end-to-end restoration process.

## PROGRAM ADVANTAGES

- ✓ Minimal equipment downtime
- ✓ No need to purchase expensive new equipment when you can't wait for your worn cylinder to be repaired
- ✓ Economical - you only pay the cost to repair your worn cylinder
- ✓ Peace of mind - each replacement cylinder has been expertly refurbished to original specified tolerance and is covered by Berendsen's warranty
- ✓ In the case of a cylinder being deemed unrepairable, there is the option to purchase the exchange cylinder

# SERVICE EXCHANGE CYLINDER RANGE

Manufacturer	Equipment Type	Model		Cylinder Type	OEM Part Number
Caterpillar	Rigid Dump Truck	775	F	775 Rear Suspension	SX-223-4394
		777	D, E, F, G	777 Front Suspension	SX-4T-4756
			D	777 Rear Suspension	SX-8J-8865
			G	777 Rear Suspension	SX-335-6354
			C	777 Steering Cylinder	SX-8J-9912
			D, E, F	777 Steering Cylinder	SX-417-0582
			D, E, F	777 Hoist Cylinder	SX-296-0608
		785	B, C, D, G	785 Front Suspension	SX-1U-4605
			B, C	785 Rear Suspension	SX-456-8724
			B, C	785 Steering Cylinder	SX-1U3182
			B, C, D	785 Hoist Cylinder	SX-4T5931
		789	B, C, D	789 Front Suspension	SX-4T-5182 / 6E1921
			B, C, D	789 Rear Suspension	SX-106-1801 / 106-3722
			B, C, D	789 Hoist Cylinder	SX-9T-2807
			B, C, D	789 Steering Cylinder	SX-4T-6797
			G	789 Steering Cylinder	SX-9T-8912
			B, C, D	789 Hoist Stage	SX-6E-6446
		793	B, C	793 Front Suspension	SX-284-8014
			B, C	793 Rear Suspension	SX-106-3722
			B, C	793 Hoist Cylinder	SX-121-2071
			B, C	793 Hoist Stage	SX-301-3154
			F	793 Front Suspension	SX-9T-8910
			B, C, D, F	793 Steering Cylinder	SX-9T-8912
			D	793 Hoist	SX-121-2071
	Dozer	D9	R,T	D9 Ripper Tilt	SX-521-8391
		D10	R, T	D10 Blade Lift	SX-9T-2869
			R, T	D10 Blade Tilt LH	SX-232-0652 / 9T-9204
			R, T	D10 Blade Tilt RH	SX-232-0653
			R, T	D10 Ripper Lift	SX-192-6445
			R, T	D10 Ripper Tilt	SX-4T-9977
		D11	R, T	D11 Blade Lift	SX-4T-2727
			R	D11 Ripper Lift	SX-101-8581
			R	D11 Ripper Tilt	SX-130-3263
			R, T	D11 Dual Blade Tilt	SX-9T-3715
			R, T	D11 Blade Tilt Barrel	SX-D11BTB
			R, T	D11 Blade Lift Rod	SX-D11BLR
			R, T	D11 Blade Lift Barrel	SX-D11BLB
	Wheel Loader	992	G	992 RH Lift Cylinder	SX-162-1522
			K	992 RH Lift Cylinder	SX-271-1716
			G	992 Steering Cylinder	SX-112-8208
			G	992 Tilt Cylinder	SX-394-9988



# SERVICE EXCHANGE CYLINDER RANGE

Manufacturer	Equipment Type	Model		Cylinder Type	OEM Part Number
Caterpillar	Wheel Loader	993	K	993 Steering Cylinder	SX-2885504
			K	993 LH Lift Cylinder	SX-3080831
			K	993 RH Lift Cylinder	SX-3080830
			K	993 RH Tilt Cylinder	SX-3080835
		994	H, F	994 Lift Cylinder	SX-288-4468
			H, F	994 LH Tilt Cylinder	SX-219-6273 / 5040438
			F, D	994 RH Tilt Cylinder	SX-219-6272
	Articulated Dump Truck	740	B	740 Tub Hoist Cylinder	SX-285-4034 / 241-4068
			B	740 Front Suspension	SX-341-4124
	Grader	16	M	16M Grader Articulation Cylinder	SX-290-8074
			M	16M Grader Blade Lift Cylinder	SX-270-7538
		24	M	Wheel Lean	SX-117-0836
Komatsu	Rigid Dump Truck	830E	1AC	830E Hoist Cylinder	SX-EM8353
			1AC	830E Rear Suspension (Rod Up)	SX-EJ-2176
			1AC	830E Front Suspension	SX-58E-50-00020
			1AC	830E Steering Cylinder	SX-EL7952
			1AC	830E Rear Suspension (Rod Down)	SX-EM8838
		930E	AC	930E Steering Cylinder	SX-EM0241
	Wheel Loader	WA900	3-EO	WA900-3EO Tilt Cylinder	SX-707-01-03212
			3-EO	WA900-3EO Lift Cylinder	SX-707-01-03011
			3-EO	WA900-3EO RH Steer Cylinder	SX-707-01-16191
			3-EO	WA900-3EO LH Steer Cylinder	SX-707-01-16181
Hitachi	Rigid Dump Truck	EH4500	-2	EH4500 Steer Rod	SX-E12668340
			-2	EH4500 Hoist Rod	SX-E12643355RM
			-2	EH4500 2nd Hoist Stage	SX-0621-E12628191L
	Excavator	EX2500/2600	-6	EX2600 Boom Cylinder	SX-4436678
			-6	EX2600 Stick/Arm Cylinder	SX-4402135
			-6	EX2600 Backhoe Bucket Cylinder	SX-4402137
		EX3600	-6	EX3600 Backhoe Bucket Cylinder	SX-4484272
			-6	EX3600 Boom Cylinder	SX-4484266
			-6	EX3600 Stick/Arm Cylinder (Face Shovel)	SX-4439903
			-6	EX3600 Stick/Arm Cylinder (Backhoe)	SX-4484270
		Articulated Dump Truck	AH400		AH400 Steering Cylinder
Terex	Rigid Dump Truck	MT4400	AC	MT4400 Rear Suspension	SX-445-8774 / 55896
			AC	MT4400 Front Suspension	SX-445-8775 / 57749

# SIX REASONS TO CHOOSE BERENDSEN



- 1 An industry leader with extensive mining experience**

Berendsen's network of 9 branches nationwide have been proudly served industries across Australia for over 25 years, forging an unquestionable reputation as a leading hydraulics services company.
- 2 We offer a range of exchange cylinders across Australia**

Our cylinder exchange range includes cylinders for Caterpillar, Hitachi and Komatsu dozers, dump trucks and more. We are constantly adding to our stock of exchange cylinders, providing more customers with access to our exchange service.
- 3 No exchange fees – you only pay for repair**

Saving time doesn't cost you more. Simply swap out your worn cylinder for a matching, fully reconditioned unit and pay only for the cost of repairing the old cylinder.
- 4 All exchange cylinders are restored to OEM specifications**

Our highly skilled technicians pride themselves on returning all repaired cylinders to OEM specifications. Berendsen's modern and fully equipped repair centres are designed to help you restore complete confidence in your equipment.
- 5 Reconditioned cylinders are bench-tested for performance**

Cylinder integrity is verified at our sophisticated hydraulic testing stations before the end-to-end restoration process is complete and the cylinder is returned to the shelf to await the next customer.
- 6 Exchange cylinders carry Berendsen's quality warranty**

Enjoy the peace of mind that comes with choosing an established company with excellent quality standards. We specialise in cylinder refurbishment, and we stand by our reputation with a warranty of quality.



- 1 Contact your local branch to confirm that the cylinder is available.
- 2 If the cylinder that you require is available from our stock we will ask you to provide a Purchase Order comprised of;
  - a. a purchase order line authorising us to charge the repair of your worn cylinder
  - b. a purchase order line authorising us to charge a refundable core depositA core deposit is taken as security in the event that you are unable to send your worn cylinder to us, or if your cylinder is not acceptable for repair\*. If you are a COD customer we will ask you to pay the security deposit in advance.
- 3 When we receive your purchase order we will dispatch our service exchange cylinder according to your written instructions.
- 4 We will confirm via email which Berendsen location you should send your worn cylinder to.

\* When we have received your worn cylinder we will inspect the cylinder to confirm that it is acceptable for repair. Generally, cylinders are acceptable for repair when they are;

- Fully assembled and complete
- Not cracked or broken
- Not excessively corroded or pitted
- Not fire damaged
- Have not been previously repaired with unsound repair methods
- Are of an acceptable OEM part number

If a cylinder is deemed unacceptable for repair the core deposit amount will be charged. If the transport frame is not returned the replacement cost of the frame is also charged.

If your worn cylinder is acceptable for repair we will provide a repair report detailing the repairs required to bring your worn cylinder back to original tolerances.

## Have more questions about our program?

Berendsen Fluid Power also repair all brands of hydraulic equipment at our nine branches nationwide.

Feel free to give our experienced team a call on 1800 814 411.

**Adelaide**

08 7221 0300

1/9 Rosberg Rd, Wingfield SA 5013

**Brendale**

07 3881 0202

8 Moonbi St, Brendale QLD 4500

**Bundaberg****07 4181 0300**

8 Kay McDuff Dr, Bundaberg, QLD 4670

**Mackay****07 4999 5400**

42-44 Southgate Dr, Paget QLD 4740

**Melbourne****03 9760 5000**

7 London Dr, Bayswater, VIC 3153

**Newcastle****02 4915 1800**

10-18 Carbine Cl, Wallsend, NSW 2287

**Perth****08 9353 1066**

2/33 Colquhoun Rd, Perth Airport, WA 6105

**Richlands**

07 3120 3200

20 Bernoulli St, Richlands, QLD 4077

**Sydney****02 9765 8888**

1-4 Denoci Cl, Wetherill Park, NSW 2164

**Toowoomba****07 4634 2477**

Unit 2/1-5 Gardner Crt, Toowoomba QLD 4350

**Wollongong****02 4298 4000**

6-8 Brady St, Berkeley, NSW 2506

# WE PROVIDE QUALITY HYDRAULIC SERVICE AND REPAIR AUSTRALIA WIDE



## Australia's Largest Locally Owned Hydraulics Company

We have been at the forefront of Australia's hydraulic industry for over 20 years, offering Australia's most comprehensive range of fluid power service and repair facilities, products and system solutions, as well as our own range of manufactured products.

### Competitively Priced Products

Berendsen is a leading distributor of premium brand hydraulic products.

### Quality Service & Repair

Berendsen is a leading provider of first class hydraulic service & repair.

### Custom Cylinders & Manifolds

Berendsen is a leading manufacturer of hydraulic cylinders & manifolds.

### Custom Hydraulic Design

Berendsen is a leader in hydraulic system design and industry expertise.

[www.berendsen.com.au](http://www.berendsen.com.au) | 1800 814 411

Berendsen Fluid Power Pty Ltd - ABN 29 058 390 382