



## 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	SX-223-4394
			D, E, F, G	SX-4T-4756
			D	SX-8J-8865
		777	G	SX-335-6354
			C	SX-8J-9912
			D, E, F	SX-417-0582
			D, E, F	SX-296-0608
		785	B, C, D, G	SX-1U-4605
			B, C	SX-456-8724
			B, C	SX-1U3182
			B, C, D	SX-4T5931
			B, C, D	SX-4T-5182 / 6E1921
			B, C, D	SX-106-1801 / 106-3722
		789	B, C, D	SX-9T-2807
			B, C, D	SX-4T-6797
			G	SX-9T-8912
			B, C, D	SX-6E-6446
			B, C	SX-284-8014
			B, C	SX-106-3722
		793	B, C	SX-121-2071
			B, C	SX-301-3154
			F	SX-9T-8910
			B, C, D, F	SX-9T-8912
			D	SX-121-2071
Dozer	D9		R, T	SX-521-8391
			R, T	SX-9T-2869
			R, T	SX-232-0652 / 9T-9204
			R, T	SX-232-0653
			R, T	SX-192-6445
			R, T	SX-4T-9977
			R, T	SX-4T-2727
			R	SX-101-8581
			R	SX-130-3263
			R, T	SX-9T-3715
	D10		R, T	SX-D118TB
			R, T	SX-D118LR
			R, T	SX-D118LB
			G	SX-162-1522
			K	SX-271-1716
			G	SX-112-8208
Wheel Loader	992		G	992 RH Lift Cylinder
			G	992 Steering Cylinder
			G	992 Tilt Cylinder



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Manufacturer	Equipment Type	Model	Cylinder Type	OEM Part Number	
Caterpillar	Wheel Loader	993	K	993 Steering Cylinder	
			K	993 LH Lift Cylinder	
			K	993 RH Lift Cylinder	
		K	993 RH Tilt Cylinder		
		H, F	994 LH Tilt Cylinder		
	994	H, F	994 LH Tilt Cylinder		
		F, D	994 RH Tilt Cylinder		
	Articulated Dump Truck	740	B	740 Tub Hoist Cylinder	
		B	740 Front Suspension		
			M	16M Grader Articulation Cylinder	
Grader	16	M	16M Grader Blade Lift Cylinder		
		M	Wheel Lean		
	24	M	830E Hoist Cylinder		
	Komatsu	Rigid Dump Truck	830E	1AC	830E Rear Suspension (Rod Up)
				1AC	830E Front Suspension
1AC				830E Steering Cylinder	
1AC			830E Rear Suspension (Rod Down)		
930E			AC	930E Steering Cylinder	
Wheel Loader		WA900	3-EO	WA900-3EO Tilt Cylinder	
			3-EO	WA900-3EO LH Lift Cylinder	
			3-EO	WA900-3EO RH Steer Cylinder	
		3-EO	WA900-3EO LH Steer Cylinder		
		-2	EH4500 Steer Rod		
Hitachi	Rigid Dump Truck	EH4500	-2	EH4500 Hoist Rod	
			-2	EH4500 2nd Hoist Stage	
		EX2500/2600	-6	EX2600 Boom Cylinder	
	Excavator	EX3600	-6	EX2600 Stick/Arm Cylinder	
			-6	EX2600 Backhoe Bucket Cylinder	
			-6	EX3600 Backhoe Bucket Cylinder	
		-6	EX3600 Boom Cylinder		
		-6	EX3600 Stick/Arm Cylinder (Face Shovel)		
	Articulated Dump Truck	AH400	-6	EX3600 Stick/Arm Cylinder (Backhoe)	
		MT4400	AC	AH400 Steering Cylinder	
Terex	Rigid Dump Truck	MT4400	AC	MT4400 Rear Suspension	
		MT4400	AC	MT4400 Front Suspension	

SX-2885504  
SX-3080831  
SX-3080830  
SX-3080835  
SX-288-4468  
SX-219-6273 / 5040438  
SX-219-6272  
SX-285-4034 / 241-4068  
SX-341-4124  
SX-290-8074  
SX-270-7538  
SX-117-0836  
SX-EM8353  
SX-EJ-2176  
SX-58E-50-00020  
SX-EL7952  
SX-EM8838  
SX-EM0241  
SX-707-01-03212  
SX-707-01-03011  
SX-707-01-16191  
SX-707-01-16181  
SX-E12668340  
SX-E12643355RM  
SX-0621-E12628191L  
SX-4436678  
SX-4402135  
SX-4402137  
SX-4484272  
SX-4484266  
SX-4439903  
SX-4484270  
SX-230215  
SX-445-8774 / 55896  
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.

# HOW TO ORDER

**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 deposit

A 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

### **Brisbane North (Clontarf)**

07 3881 0202

341 Macdonnell Rd, Clontarf, QLD 4019

### **Brisbane South (Richlands)**

07 3120 3200

20 Bernoulli St, Richlands, QLD 4077

### **Bundaberg**

07 4181 0300

8 Kay McDuff Drive, Bundaberg, QLD 4670

### **Mackay**

07 4999 5400

42-44 Southgate Dr, Paget QLD 4740

### **Melbourne**

03 9760 5000

8 Capital Dr, Dandenong South, VIC 3175

### **Newcastle**

02 4915 1800

10-18 Carbine Cl, Wallsend, NSW 2287

### **Perth**

08 9353 1066

2/33 Colquhoun Rd, Perth Airport, WA 6105

### **Sydney**

02 9765 8888

1-4 Denoci Cl, Wetherill Park, NSW 2164

### **Toowoomba**

07 4634 2477

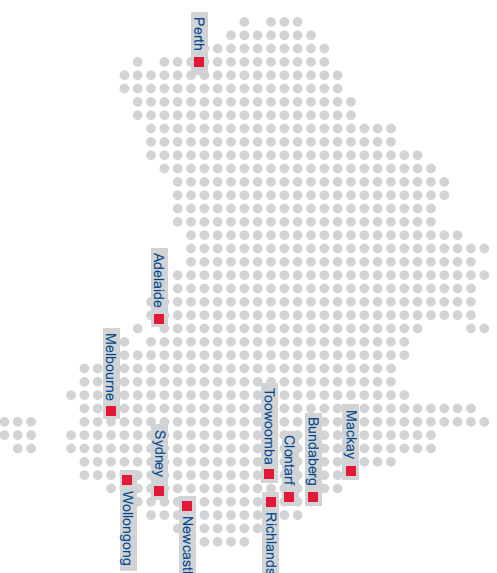
Unit 2/1-5 Gardner Crt, Toowoomba QLD 4350

### **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.

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