

# Value Added Services

## APPLICATIONS ENGINEERING\*

- Design review
- System design
- AutoCAD Inventor 2013 platform
- Manifold design capabilities
- Electro hydraulic system design and programming
- Onsite custom engineering capabilities

## TECHNICAL SUPPORT\*

- High tenured employees to offer breadth of product knowledge
- Eaton Certified Inside Sales staff to ensure proper application of Eaton products
- Extensively trained employees

## REPAIR, SERVICE AND TEST CAPABILITIES\*

- Full range of fluid power component repair
- Maximum cylinder rod repair capability of up to 16" diameter
- Maximum cylinder bore repair capability of up to 20" diameter
- HVOF (High Velocity Oxy-Fuel) system to chrome cylinder rods for extended life vs. standard chroming processes
  - Reduces corrosion/rust on the surface of the component.
  - Improves performance of cylindrical metal parts dramatically lengthening component and seal life.
  - Increases impact resistance
  - Eliminates carcinogenic chromic acid solutions during the process.
- Test stands for variable piston (hydro-static transmissions) and valve spool leakage
- Largest test stand up to 750 horsepower
- Flow, pressure, and load test capabilities
- Eaton Certified repair facility

### BILLINGS

410 Bernard St. Billings, MT 59101  
406-248-7431/800-877-1090  
Fax: 406-248-8586

### GILLETTE

3201 LeTourneau Dr. Gillette, WY 82718  
307-682-5858/800-788-5858  
Fax: 307-687-2040

### SALT LAKE CITY

2206 S 2000 West Salt Lake City, UT 84119  
801-972-8316/800-975-7278  
Fax: 801-972-8321

### BOISE

7417 W. Mossy Cup St. Boise, ID 83709  
208-362-5655/800-784-1394  
Fax: 208-362-5695

### FONTANA

11897 Cabernet Dr. Ste C, Fontana, CA 92337  
951-360-5808/800-860-6611  
Fax: 888-295-1881

### PORTLAND

2230 NE Columbia Blvd. Portland, OR 97211  
503-249-2835/800-257-1002  
Fax: 503-249-1090

### KENT

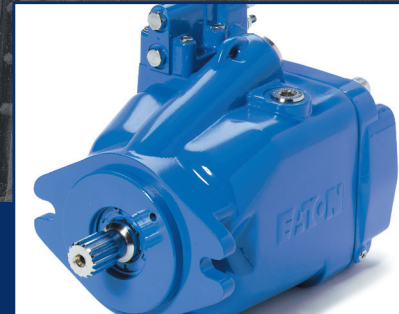
19308 68th Ave S. Kent, WA 98032  
253-796-1100/800-367-5646  
Fax: 253-796-1101

### YAKIMA

1930 Rudkin Rd. Yakima, WA 98903  
509-248-0580/800-572-8351  
Fax: 509-575-0250

### MODESTO

1064 Woodland Ave. Ste T, Modesto, CA 95351  
209-549-0800/800-549-2730  
Fax: 209-549-4760

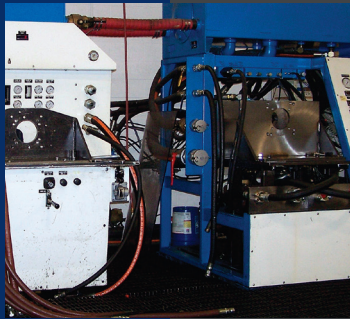


## Service Capabilities

**SPENCER**  
**FLUID POWER**  
[www.spencerfluidpower.com](http://www.spencerfluidpower.com)

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Our business depends on keeping your operations running.  
We offer a host of specialized services that support customer needs beyond sourcing products.



SERVICE FACILITY CAPABILITIES	BILLINGS, MT	GILLETTE, WY	SLC, UT	BOISE, ID	KENT, WA	YAKIMA, WA	PORTLAND, OR	MODESTO, CA	ONTARIO, CA
Fixed disp. pump test stand (Qty/HP)	(2)-75hp	(1)-125hp		(1)-100hp		(1)-20hp	(1)-75hp	(1)-100hp	
Piston/Hydro-static pump test stand (Size)	(1)-150hp	(1)-125hp	(1) 750hp	same as above	(1)-100hp	same as above	same as above	same as above	
Valve test stand (Qty/Flow)	(1)-20gpm @ 3000psi	(1)-30gpm @ 3000psi		(1)-35gpm@3500psi	(1)-10gpm	same as above	(1)-50hp	(1) -10hp	
Cylinder test stand (Qty/Flow/PSI)	(2)-45gpm @ 4200psi	(1)-15hp @ 3000psi		same as above	(1)-45gpm @ 4200psi	(1)-15gpm	same as above		
Cylinder assembly bench (Qty & size)	(2)-20"x360"	(1)-20"x240"			(1)-12"x144"	8"x48"			
Cylinder hone bench (Size dia./length)	(1)-20"x144"	(1)-24"x144"							
Hydraulic torque wrenches (Cap, lbs/ft)	(3)-50K lbs/ft	(3)-50K/7K ft/lbs							
Rod re-surfacing (HVOF) (Min. & max. size)	(1)-2"x160", 16"x160"								
Rod finishing (grinders) (Qty & max. size)	(2)-16"x160"	(1)-16"X140" polisher							
Profilometer for measuring surface finish	yes	yes							
Lapping table (Dia.)	12"	12"	24"	(1)-18" hand lapping	12"		12"	12"	
Optical flat for measuring surface flatness	yes	yes	yes					yes	
Valve body hone	yes								
Crane capacity (Qty & max. size)	(8)-10 ton	(4)-2 ton	(2)-1 ton		(1)-2 ton				
Hydraulic press (Qty & max. tonnage)	(2)-100 ton	(1)-100 ton	(1)-50 ton	(1)-20 ton (1)-100 ton	(1)-20 ton	(1)-10 ton	(1)-10 ton	(1)-25 ton	
Automatic parts washers	yes	yes	yes		yes	yes	yes		
Bead blaster	yes	yes	yes	yes	yes	yes			
Professional paint booth	yes	yes			yes			yes	
Forklifts (Qty & max. size)	(5)-30K max.	(1)-25K max.	(1) 5K max.	(1)-4K max.	(2)-5K max.	(1) 5K max.	(1) 3K max.	(1) 3K max.	(1) 3K max.
Build center (Product)							Permco Gear, EVO Vane, Salami Gear	Prince, Salami, Permco	
Field service truck (Qty & size)	(1)-F550	(1)-F550		(1)-F350	(1)-F350				
Automated bore welding	yes	yes							
Machining lathe (Max. size & length)	36"x 180"	24"X180"		(1)-20"x80"				3' Table Top	
Machining horizontal boring mills (Max. size)	(2)-5"x48"	(1)-12"X60"							
Machining vertical mills (Max. size)	(2)-12"x48'	(2)-12"X36"	(1)-12"X36"	(1)-12"x26"			(1) 12"x24"		
Welding	yes	yes	yes	yes	yes	yes	yes		
Fabrication	yes	yes	yes	yes	yes	yes	yes		
Engineering staff	yes	yes	yes	yes	yes	yes	yes	yes	yes
System design	yes	yes	yes	yes	yes	yes	yes	yes	yes
System manufacturing	yes	yes	yes		yes	yes	yes		
System installation	yes	yes			yes				
Specialties	Caterpillar components, Komatsu components, large pumps, large cylinders, power units	Caterpillar components, Komatsu components, large pumps, mid-size cylinders, power units	Large piston pumps, gear pumps, gear boxes, pump drives	Gear & piston pumps , cylinders, valves, conversions, power units	Piston pumps, conversions, power units	Gear pumps, piston pumps, small cylinders, power units	Piston pumps, power units, electronic controls, custom manifolds	Piston pumps, gear pumps, spool valves, DC power units,	

Please contact your field sales representative for local capability.