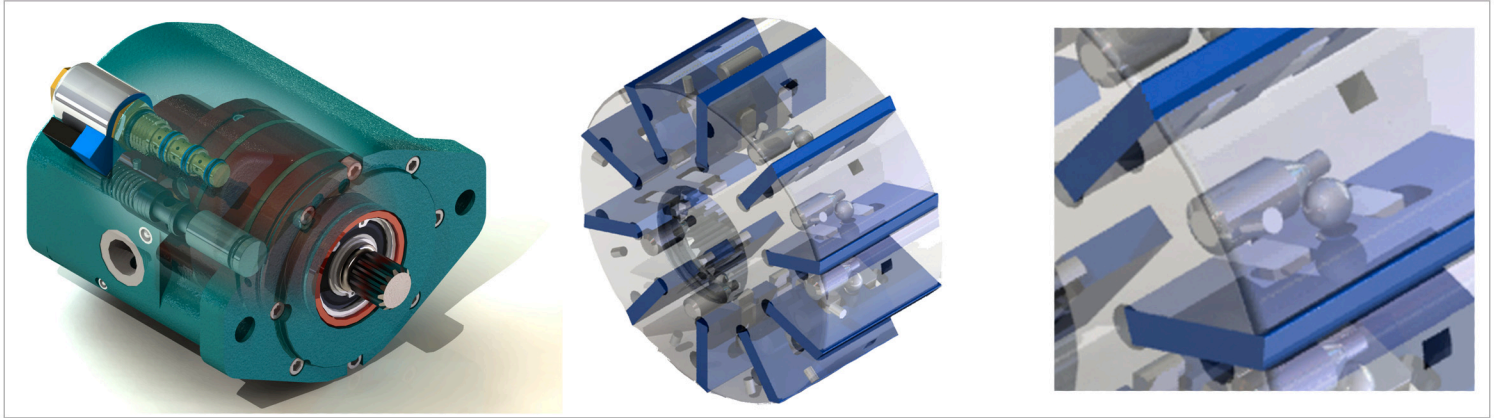
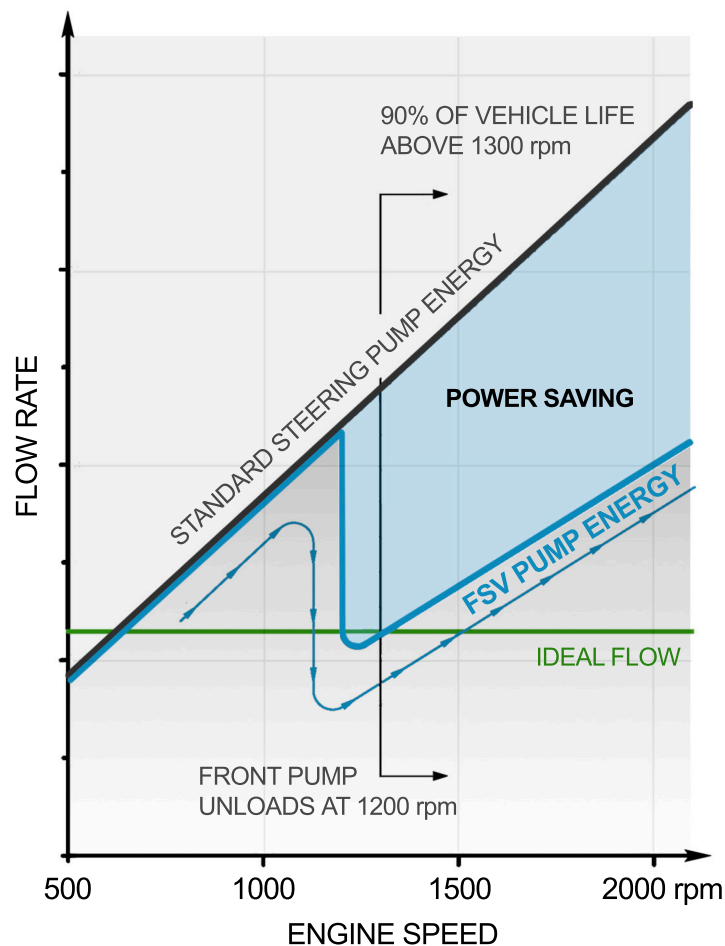


# FUEL SAVING POWER STEERING PUMP

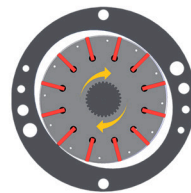
**The Heavy Duty Fuel Saving Power Steering Pump will save thousands of dollars on your annual fuel bills, plus reduce greenhouse gas emissions & pump noise.**



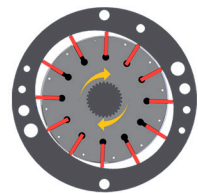
## Power Saving Pump Comparison



**Free Wheeling**  
Fuel Saving Mode



**Pumping**



The Fuel Saving Power Steering Pump is a truck power steering pump which consists of 2 pumping chambers in one compact assembly. The pumps are combined at lower engine speeds to provide sufficient flow for steering. At higher engine speeds the vanes in the secondary pumping element are restrained within the rotor to eliminate unnecessary oil flow and consequently wasted energy which is generally accepted to be (and confirmed in trials) in excess of 1% of total engine power.

## Typical Power & Fuel Savings

			Steering Load		
			Highway	City Urban	Off Road
Engine (rpm)	1500	Power Drop (kW)	3.3	6.5	9.1
		Fuel Saving (litres/hour)	0.55	1.10	1.55
	1700	Power Drop (kW)	3.7	7.4	10.4
		Fuel Saving (litres/hour)	0.63	1.25	1.76
	1900	Power Drop (kW)	4.1	8.2	11.6
		Fuel Saving (litres/hour)	0.70	1.4	1.97

MH-FSP02-ADS

Patent No's. 200 4256150 AUST, 11/331 156 USA, 200 6246313 AUST, PCT/AU2007/000772-PCT  
Mathers Hydraulics reserve the right to change specifications at any time without notice.

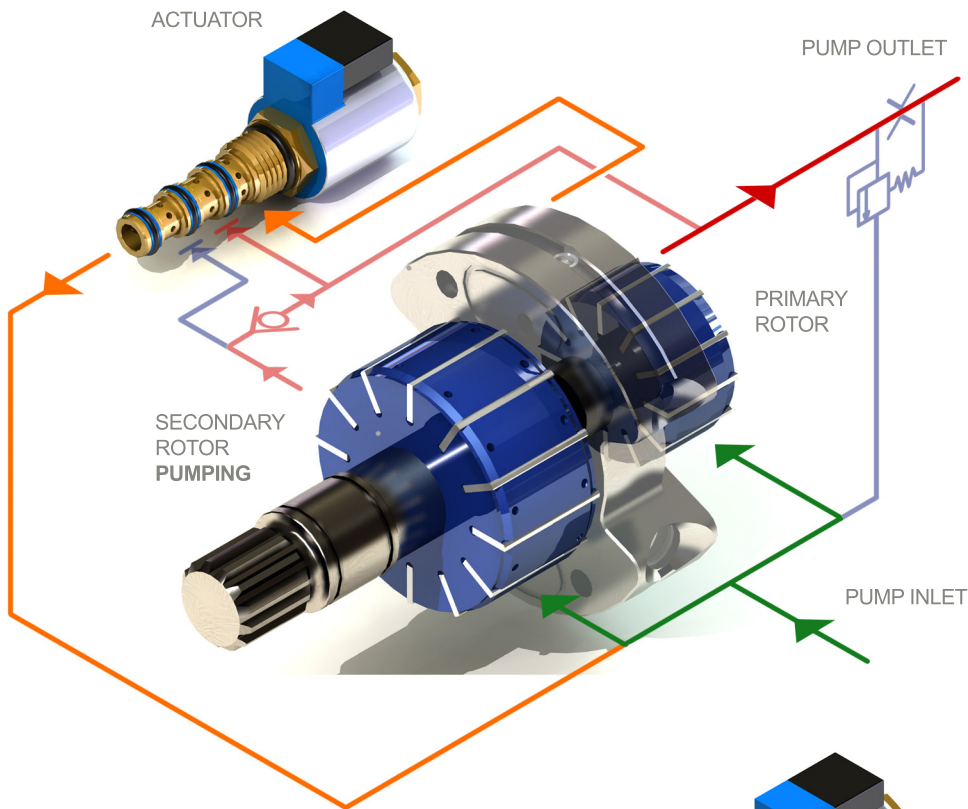


Mathers Hydraulics Pty Ltd  
16 Armada Place, Banyo, QLD 4014, Australia  
Phone: +61 7 3267 0065 Fax: +61 7 3267 0056  
Web: [www.mathershdraulics.com.au](http://www.mathershdraulics.com.au)  
Email: [sales@mathershdraulics.com.au](mailto:sales@mathershdraulics.com.au)

**MATHERS**  
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# FUEL SAVING

## POWER STEERING PUMP

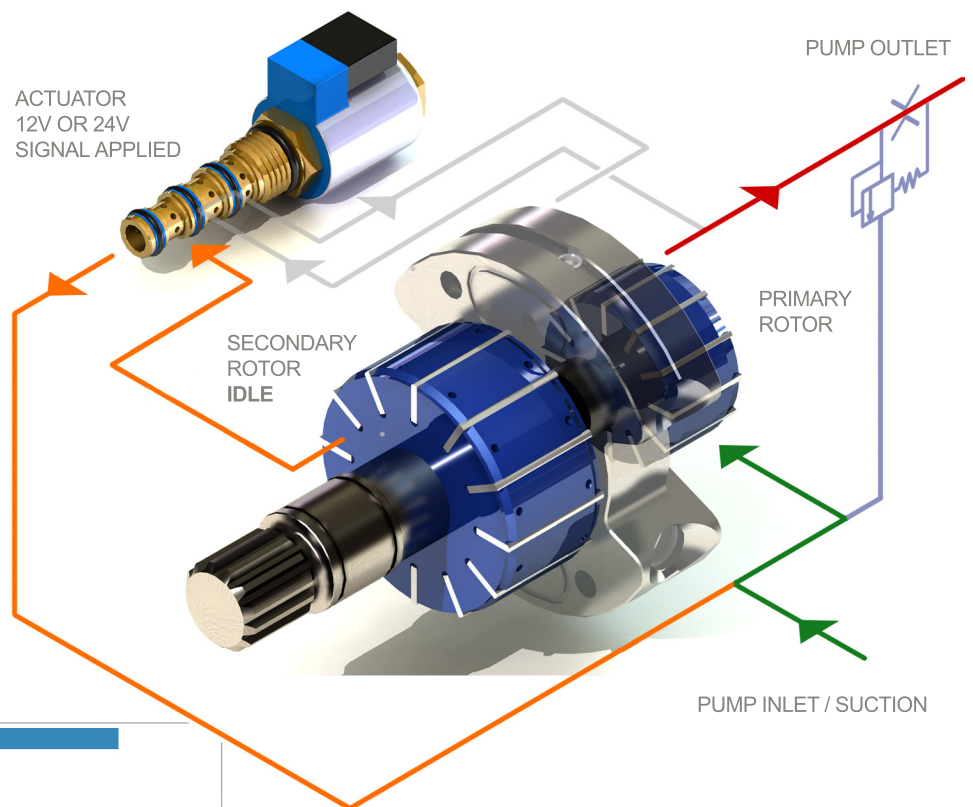


**Diagram 1.**  
**Low Engine Speeds**

At lower engine speeds the pumps are combined to provide sufficient flow for steering.

**Diagram 2.**  
**High Engine Speeds**

During higher speed operations, the primary pump only operates, eliminating unnecessary heat generation and excessive fluid noise.



### Distributor Information