



40 Cedar Street -- Tillsonburg Ontario -- 1(800)265-2656

## Priority Flow Divider Outlet

### Customer Unmet Need:

The tarper circuit for a refuse roll-off truck requires flow in the 2-7 GPM range. Whereas, the main hoist circuit usually has flows in the 40-50 GPM range. Historically, an in-line flow divider was installed upstream of the main valve and it directed flow to the tarper circuit. The customer wanted a one pump system with all of the flow available for the main hoist circuit, but with the ability to send a reduced flow to the tarper circuit.

### Solution:

A new outlet was designed with an integrated priority-type flow divider. The outlet splits the output pump flow into primary and secondary flows. The primary port has priority and is adjustable from 1-25 GPM. Any flow above the setting of the primary flow exits the valve via the secondary port. Both the primary and secondary ports are pressure-compensated, therefore, output flow is not affected by changes in load pressure.

### Success Factors:

- Full pump flow available for the hoist circuit.
- Capability to adjust the flow to the tarper circuit.
- Pressure-compensation feature for tarper circuit.
- Integrated priority flow divider hardware into the existing main directional control valve.

### Customer Values:

- More lifts per day results in improved productivity; ~\$6,000 per year.
- Less installation labour saves ~\$80/vehicle.
- Fewer purchased parts saves ~\$25/vehicle.

For more information, please contact your salesperson or call us at 1(800)265-2656



40 Cedar Street -- Tillsonburg Ontario -- 1(800)265-2656

## 2009 Customer Appreciation BBQ

Tuesday July 28, 2009 turned out to be a very nice day after all. The weatherman was calling for thunderstorms and the Dynamic Fluid Product team prepared to host their BBQ and Open House 'under the tent'. Donny Schatz and his team pulled up in their Tony Stewart Racing Transport Truck and brought along the sun.

The nice weather allowed for many of our customers to attend and enjoy our Open House tours, great food and an up close visit with Donny Schatz, 3 Time "World of Outlaws" Sprint Car Champ.

Dynamic Fluid Products would like to thank its many customers for attending and Parker Hannifin for coordinating the Donny Schatz Racing Team visit. Dynamic would also like to thank the many members of the Parker sales team who showed their support and especially Tony Wyszowski, General Manager of Parker Canada for attending.

