



APPLICATION SPOTLIGHT

Vehicle Power Steering System Control



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APPLICATION:

Damage to power steering lines was causing a loss of steering control in military vehicles deployed overseas. The customer needed a way to monitor the flow of power steering fluid as a diagnostic tool to ensure the power steering system would not fail at a critical time.

PRODUCT SUPPLIED:

Series 3 Basic In-Line Flow Meter

CHALLENGE:

Because the vehicle is in very rough use, the meter needed to be extremely rugged. It also was required to fit into the current design of the power steering circuit without requiring changes to the vehicle.

SOLUTION:

The Lake Monitors Basic In-Line meter was precisely what the customer needed. The meter is made of a very durable construction and provides a low cost way to check flow with a quick look. Our engineers were able to design a custom end port that would directly mate to the vehicle's existing power steering system, allowing the meters to be retrofitted into the entire fleet.



RESULT:

Vehicle downtime has been reduced and problems can be quickly identified with a simple check before the vehicle is put in the field. This ability is incredibly crucial because a failure can potentially be deadly for the troops depending on transportation.