



Date \_\_\_\_\_

# Application Data Sheet

(for Brake Valve Systems)

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You incur no obligation by submitting this data and the non-public information provided will be held in confidence by MICO, Inc.

Name \_\_\_\_\_ Title \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_ City \_\_\_\_\_ State \_\_\_\_\_ Zip \_\_\_\_\_  
Fax \_\_\_\_\_ Phone \_\_\_\_\_ Country \_\_\_\_\_  
Email \_\_\_\_\_

Are you currently working with a MICO Distributor?  Yes  No If yes, which one and who is the contact? \_\_\_\_\_

Estimated Annual Quantity \_\_\_\_\_

Is this a military application?  Yes  No If yes, what is the destination country? \_\_\_\_\_

Is this an underground coal mine application?  Yes  No

## HYDRAULIC SYSTEM CHARACTERISTICS

Attach any available hydraulic system schematics relevant to full power actuation circuits.

Maximum pump flow \_\_\_\_\_ Minimum pump flow \_\_\_\_\_  
Pump type:  Gear  Vane  Piston Manufacturer and model number \_\_\_\_\_  
Load Sensing:  Yes  No Standby \_\_\_\_\_  
Internal bleed down:  Yes  No Relief valve \_\_\_\_\_  
Oil names and numbers \_\_\_\_\_ Filtration \_\_\_\_\_ microns  
Operating temperature range: Minimum \_\_\_\_\_ Normal \_\_\_\_\_ Maximum \_\_\_\_\_  
Flow required for components other than brake valve \_\_\_\_\_  
What is the function of other components? \_\_\_\_\_

## VEHICLE SPECIFICATIONS

Type of vehicle or machine \_\_\_\_\_ Name and model number \_\_\_\_\_  
Gross vehicle weight \_\_\_\_\_ Empty vehicle weight \_\_\_\_\_  
Weight distribution loaded: front \_\_\_\_\_ or % rear \_\_\_\_\_ or %  
Rolling radius: front \_\_\_\_\_ rear \_\_\_\_\_  
Maximum loaded speed (level) \_\_\_\_\_ Maximum grade in favor of load \_\_\_\_\_ %  
Rate of deceleration desired: Stop in \_\_\_\_\_ from \_\_\_\_\_ or \_\_\_\_\_  
Is this application required to conform with recommended practices or standards, if so which ones? \_\_\_\_\_

## SPECIFICATIONS MOBILE EQUIPMENT

Duty cycle \_\_\_\_\_  
Type of brake actuation:  Hydraulic  Mechanical  Air  Spring set hydraulic release  
Other \_\_\_\_\_  
System fluid used:  DOT 3 or 4 brake fluid  Mineral oil base  Water base  Synthetic base  
Fluid manufacturer and brand name \_\_\_\_\_ Continue . . .

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# BRAKE VALVE REQUIREMENTS

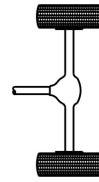
Attach any available brake performance specifications.

Brake type  Caliper  Drum  In axle Number per vehicle \_\_\_\_\_

Self adjusting:  Yes  No

Indicate brake relation within axle to gear train (use diagram):

- Brake mounted on driveline
- Brake mounted between differential and planetary ratio
- Brake wheel end out board of planetary ratio



\_\_\_\_\_ Overall ratio  
\_\_\_\_\_ Differential ratio  
\_\_\_\_\_ Planetary ratio

## Caliper brake characteristics:

Piston diameter \_\_\_\_\_ Number of pistons per caliper side \_\_\_\_\_

Maximum stroke \_\_\_\_\_, or area \_\_\_\_\_

Piston pretravel \_\_\_\_\_ to contact disc

Maximum allowable pressure \_\_\_\_\_ Rotor diameter \_\_\_\_\_

Volume requirements (per brake):

New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum

Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_

Manufacturer \_\_\_\_\_ Model number \_\_\_\_\_

## Drum brake characteristics:

Type \_\_\_\_\_ Brake size (diameter and width) \_\_\_\_\_ x \_\_\_\_\_

Wheel Cylinder: Diameter \_\_\_\_\_ Number \_\_\_\_\_

Piston travel \_\_\_\_\_ to contact drum

Actuation volume requirements (per brake):

New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum

Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_

Maximum allowable pressure \_\_\_\_\_

Manufacturer \_\_\_\_\_ Model number \_\_\_\_\_

## In Axle brake characteristics:

Maximum allowable pressure \_\_\_\_\_

Axle manufacturer \_\_\_\_\_ Axle model number \_\_\_\_\_

Brake type:  Dry Multiple Disc  Wet Multiple Disc

Actuation volume requirements (per axle):

New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum

Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_

Required number of vehicle stops without main hydraulic system pressure \_\_\_\_\_

Type of fluid used with brakes \_\_\_\_\_

Comments:

Proposals will be made on the basis of the information provided. Subsequent customer engineering changes affecting the above could make our proposal invalid.

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