



# Application Data Sheet

(for Reverse Modulating Brake Valves)

Date \_\_\_\_\_

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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?  
 \_\_\_\_\_

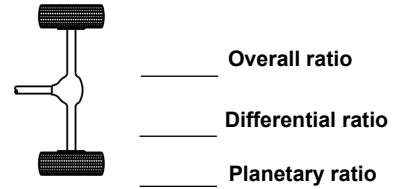
## BRAKE SYSTEM SPECIFICATIONS

**Attach any available brake performance specifications.**

Is accumulator used?  Yes  No Type \_\_\_\_\_ Precharg \_\_\_\_\_  
 Brake type:  Multiple disc  Caliper disc \_\_\_\_\_ diameter rotor  Other \_\_\_\_\_  
 Brake name and model number \_\_\_\_\_  
 Actuation volume requirements (per brake):  
 New lining \_\_\_\_\_ maximum Worn lining \_\_\_\_\_ maximum  
 Brake torque capacity (per brake): \_\_\_\_\_ at \_\_\_\_\_  
 Maximum brake release pressure \_\_\_\_\_ Initial brake release pressure \_\_\_\_\_

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



Number of brakes \_\_\_\_\_ Number of axles \_\_\_\_\_

Desired time for brake actuation (if know) \_\_\_\_\_

Maximum frequency of stops \_\_\_\_\_ per minute

Plumbing: Consult MICO for sizing or hydraulic plumbing as it applies to the service brake actuator. If plumbing has been sized list below.

Service brake valve supply line \_\_\_\_\_

Return line from service brake valve \_\_\_\_\_

Brake lines from service brake valve \_\_\_\_\_

**NOTE: All hoses should be identified in terms of inside diameter and length. A circuit schematic will be necessary to properly define these hoses.**

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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