Application Data Sheet (for Brake Valve Systems)			Date		
			<b>Confidential</b> You incur no obligation by submitting this data and the non-public information provided will be held in confidence by ZF.		
Name	Title				
Company					
Address	City	State	Zip		
Fax	Phone	Country			
Email	ff-Highway Distributor? Yes No	If ves, which one ar	d who is the contact?		
		in yes, which one a			
Estimated Annual Quantity					
Is this a military application?	es 📃 No If yes, what is the destina	tion country?			
Is this an underground coal mine appli	ication? Yes No				
HYDRAULIC SYSTEM C	HARACTERISTICS	full nower estua	ion oirouito		
Maximum pump flow	Minimum pun	•	ion circuits.		
Pump type: Gear Vane	Piston Manufacturer and model n	umber			
Load Sensing: Yes No	Standby				
Internal bleed down: Yes	No Relief valve	—			
Oil names and numbers		 Fil	tration	microns	
Operating temperature range: Minimur	m Normal	Maximum		-	
Flow required for components other th	an brake valve				
What is the function of other compone	nts?				
VEHICLE SPECIFICATIO	ONS				
Type of vehicle or machine	Name and model numbe	er			
Gross vehicle weight	Empty vehicle weight				
Weight distribution loaded: front	or % rear	or %			
Rolling radius: front	rear				
	– Maximum grado in				
Maximum loaded speed (level)	Maximum grade m	favor of load	%		
Maximum loaded speed (level) Rate of deceleration desired: Stop in	from	favor of load or	%		
Rate of deceleration desired: Stop in		or	%		
Rate of deceleration desired: Stop in	from	or	%		
Rate of deceleration desired: Stop in	from with recommended practices or standards, if	or	%		
Rate of deceleration desired: Stop in Is this application required to conform	from	or			
Rate of deceleration desired: Stop in Is this application required to conform SPECIFICATIONS MOBI Duty cycle Type of brake actuation: Hydrau Other	from	or	release		
Rate of deceleration desired: Stop in	from	or			

## ZF Off-Highway Solutions Minnesota Inc.



 1911 Lee Boulevard / North Mankato, MN U.S.A. 56003-2507

 **Tel:** +1 507 625 6426

 **Fax:** +1 507 625 3212

## **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 Overall ratio	
Brake mounted between differential and planetary ratio	
Brake wheel end out board of 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.

## NOTICE

Component and system recommendations made by ZF Off-Highway Solutions Minnesota Inc. are based on information supplied by you. ZF does not independently confirm or test information supplied, or test the applicability of components or system recommendations. All recommendations are based on theoretical application of ZF Off-Highway Products based on the information you provide. Actual results may vary based on actual use conditions or inaccuracies in provided information. You must finally accept and approve recommended components and systems after you test the performance of the recommended system and components in actual applications for which the system was designed and in which it is operated. ZF Off-Highway reserves the right to reject any orders for components and systems not so accepted and approved. No component or system recommendation is intended to be or shall be construed as an express warrantly by TE Off Highway Solutions and express warrantly by the structure for the neuron system. The other and exprised and pervised are previded integration of ZF Warrentee and the unum given express the determined to approve the other and express warrantly by the system solution. ZF Off-Highway Solutions Minnesota Inc. All ZF Off-Highway Products and services are sold and provided subject to the ZF Warranties set forth at www.mico.com in effect on the date of sale or supply.