Date _____

Application Data Sheet

(for Caliper Disc Brakes)

Confidential
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 _____

Are you currently working with a ZF Off-Highway 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

VEHICLE SPECIFICATIONS

Type of vehicle or equipment _____ Name and model number _____

Gross vehicle weight _____ Empty vehicle weight _____

Weight distribution loaded: front _____ or % loaded rear _____ or %

Weight distribution empty: front _____ or % empty rear _____ or %

Wheelbase _____ Center of gravity (vertical) _____ loaded _____ empty

Rolling radius: front _____ rear _____

Maximum loaded speed (level) _____ Maximum grade in favor of load _____ %

Rate of deceleration desired: Stop in _____ from _____ or _____

Coefficient of friction between tire and ground (estimated) _____ Type of road surface _____

Is this application required to conform with recommended practices or standards, if so which ones?

_____

STATIONARY EQUIPMENT BRAKE REQUIREMENTS

WK^2 of the rotating parts _____ RPM _____

Rate of deceleration desired: Stop time _____ sconds from _____ RPM or _____ radians/s²

SPECIFICATIONS FOR BOTH MOBILE AND STATIONARY EQUIPMENT

Duty cycle _____

Maximum allowable rotor diameter _____ , and thickness _____

Type of Brake Actuation: ☐ Hydraulic ☐ Mechanical ☐ Air ☐ Spring set hydraulic release

Maximum pressure available _____

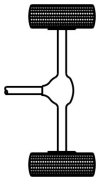
System fluid used: ☐ DOT 3 or 4 brake fluid ☐ Mineral base hydraulic oil ☐ Water base ☐ Synthetic base

Fluid manufacturer and brand name _____

Number of brakes per machine _____ Location of brakes _____

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**

Drive shaft or wheel hub diameter _____

Desired lining life (number of stops) _____

Continued . . .

Please include any available drawings to show brake location on equipment, space for brake, mounting dimensions and any other pertinent information which you believe would be of assistance to us in understanding your brake application.

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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