



Vehicle Service Conditions

Type of vehicle: _____ Manufacturer: _____
Military use: yes no partial military uses

Vehicle data

Rear WD: Front WD: 4x2 6x2 8x2

All WD: 4x4 6x6 8x8 10x10 permanent optional

Other driveline layout:

Engine capacity: ccm

Max. engine output: kW at rpm

Max. torque: Nm at rpm

Total (loaded) weight: kg Curb weight: kg

Weight distribution: Front axle(s): kg Rear axle(s): kg

Required life: km

Rolling radius of wheels: mm Size of tires:

Max. vehicle speed: km/h

Height of center of gravity: mm Wheelbase: mm

Four wheel drive applications

Torque distribution: front % rear %

If 4WD not permanent: axle time share: %

axle time share: %



Vehicle Service Conditions

Gear ratios/ Duty cycle			
Speed	Ratio	Time Share %	Comments on Operating Parameters
1			
2			
3			
4			
5			
6			
7			
Reverse			

Limited slip differentials: Front axle % Rear axle % Propshaft %

Axle differential ratio: Wheel gear ratio: Converter (stall ratio):

T-case ratio: Brakes: Inboard Outboard

Front Half Shaft Bending angles				
Wheel Position (mm)	Description	Inner Angle	Outer Angle	Comments on Operating Parameters
	Jounce			
	Highway			
	Ride Height			
	Tip-Toe			
	Rebound			
Notes:				



Vehicle Service Conditions

Rear Half Shaft Bending angles				
Wheel Position (mm)	Description	Inner Angle	Outer Angle	Comments on Operating Parameters
	Jounce			
	Highway			
	Ride Height			
	Tip-Toe			
	Rebound			

Notes:

Prop Shaft Bending angles - please provide detailed side and top view with all position identified in X, Y, Z plane				
Position	Compound Angle	Compound Angle	Installed Length	Comments on Operating Parameters
	1st Joint	2nd Joint		
Transmission to T-Case				
T-Case to Front Diff.				
T-Case to Rear Diff.				
Interaxle				

Notes:

Axial slip/ length compensation

During operation: mm

Required axial slip for assembly/ disassembly: mm

Environmental conditions

Max. temperature : °C

Max. continuous temperature: °C

Min. temperature: °C

- Please describe how above temperatures occur (humidity conditions, radiation heat, exhaust etc.)
- Are there special environmental conditions? Please describe.



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Other specifications

- Please specify the type of required connections of the joints to the adjacent components (flange, stub etc.)

- Available space, envelope curve, please encloses sketches showing the available space for installation.

- Please state on all special requirements important for manufacturing (Painting/ coating, Unbalance specs etc.)