Application Questionnaire for Transfer Cases

OEM Name _____ Date _____
Address _____
_____
_____
Information Furnished by / Title _____
Telephone _____ Direct _____
Telefax _____
E-Mail _____
Internet _____

Kessler + Co GmbH & Co. KG
Huettlinger Str. 18-20
73453 Abtsgmuend
Germany

Tel +49 (0) 73 66/81-0
Fax +49 (0) 73 66/81-69
info@kessleraxles.com
www.kessleraxles.com

Model Designation _____ **Project No.** _____
Application _____

Current Model ☐ New Model ☐
Planned Units per Year _____
Annual Vehicle Usage in Hours _____
Expected Years of Life (to Rebuilding) _____

Vehicle Data

1. **Total Vehicle Weight**
   Empty _____ Lb
   Fully Loaded _____ Lb

2. **Driving Speed**
   Empty _____ MPH
   Fully Loaded _____ MPH

3. **Typical Load Cycle**

Driving Rate					%
Weight					Lb
Speed					MPH
Slope					%

4. **Number of Driven Axles** (Please Add Driveline Layout) _____

5. **Installed Axles**
   Type _____
   Axle Ratio _____ Dynamic Radius of Tires _____ In.

KESSLER·CO

Drive Line Data

6. **Type of Driven Unit** ☐ Mechanical ☐ Hydrodynamic ☐ Hydrostatic ☐ Electric

7. **Engine**
   Make/Type _____
   Performance _____ HP at n = _____ RPM
   Max. Output Torque _____ Ft-Lb at n = _____ RPM
   Max. Number of Revolutions _____ RPM

8. **Converter Ratio** _____

9. **Transmission**
   Make/Type _____
   Ratios _____
   Reverse Gear _____

10. **Hydrostatic Motor**
    Make/Type _____
    Max. Torque _____ Ft-Lb at Rated Pressure _____ PSI
    Max. Number of Revolutions _____ RPM

11. **Electric Motor**
    Make/Type (Please Add Data Sheet) _____
    Nominal Torque _____ Ft-Lb Max. Torque (peak) _____ Ft-Lb
    Nominal Power _____ HP Max. Power (peak) _____ HP
    Max. Number of Revolutions _____ min^{-1} Moment of Inertia _____ Lb-Ft^2

12. **Transfer Case Data** ☐ Single Speed ☐ Two Speed

13. **Ratios** i1 _____ i2 _____

14. **Torque Distribution** Output Front _____ % Output Rear _____ %

15. **Declutchable** ☐ **Differential Lock** ☐

16. **Shaft Center Distance** _____ In.

17. **Type of Input/Output Flange** ☐ 70° Cross Serrated ISO 8667-T180
☐ 70° Cross Serrated ISO 8667-T150
Others _____

18. **Turning Direction of Drive Flange for Forward Travel** (Looking at Flange Face) ☐ CW ☐ CCW

19. **Power Take-off** (e. g. Emergency Steering Pump) ☐
Connection (Please Add Sketch) _____

20. **Speedometer Drive** ☐ Connection (Please Add Sketch) _____

21. **External Oil Cooler** ☐ Connection (Please Add Sketch) _____

22. **Gearbox Installation** ☐ Standing ☐ Horizontal (Please Add Sketch)

Transfer Case approval by Kessler + Co GmbH & Co. KG

For Execution due to Inst. drawing _____ Date _____

Signed, Date _____

The recommended transfer cases for the particular application described, indicated by the drawing-no., are based on the specifications and data supplied by the OEM. Although Kessler + Co has approved the above mentioned components the OEM has superior knowledge concerning its products and the circumstances under which its products will be utilized. **The OEM, therefore, must give Kessler proof that they did the appropriate vehicle testing, before Kessler will approve the particular volume production.**

KESSLER•CO