Application Questionnaire for Axles

OEM _____ Date _____

Address _____

_____

_____

Information Furnished by / Title _____

Telephone _____ Direct _____

Telefax _____

E-Mail _____

Internet _____

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Model Designation _____ **Project No.** _____

Application _____

Current Model ☐ New Model ☐

Planned Units per Year _____

Annual Vehicle Usage in Hours _____

Expected Years of Life (to Rebuilding) _____

		1.	2.	3.	4.		
1.	**Axle Arrangement**						Axle
	Steerable/Max. Lock Angle						Degrees
	Driven Axle						
	Drive Assembly Declutchable						
	Wheel Base						In.
2.	**Gross Weight**	Fully Loaded			Empty		Lb
3.	**Axle Loads** Fully Loaded at v=____ MPH						Lb
	Axle Loads Unloaded at v=____ MPH						Lb
	Axle Loads for Special Applications						
	_____						Lb
	_____						Lb
4.	**Max. Static Axle Loads**						Lb
5.	**Max. Static Wheel Loads**						Lb

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6. **Track Width Required** In.

7. **Axle Mounting / Type of Suspension**
   Spring
   Rigid
   Oscillating

8. **Spring Centers** In.

9. **Tire Size** (S = Single, D = Dual Tyres)
   Dynamic Radius of Tires In.

10. **Rim Size**
    Make/Type
    Disc Thickness In.

11. **Rim Offset** In.

12. **Wheel Fixing Dimensions**
    Pitch Circle Dia _____ Wheel Stud Thread _____
    Number of Wheel Studs _____ Center Bore Dia _____

☐ Rim Located on Center Spigot ☐ Rim Located on Coned Nut

13. **Type of Drive Unit** ☐ Mechanic ☐ Hydrodynamic ☐ Hydrostatic ☐ Electric

14. **Engine**
    Make/Type _____
    Performance _____ HP at n = _____ RPM
    Max. Output Torque _____ Ft-Lb at n = _____ RPM

15. **Hydrostatic Drive**
    Make/Type _____
    Max. Torque _____ Ft-Lb at n = _____ PSI

16. **Torque Converter**
    Make/Type _____
    Stall Torque Ratio i_H _____

17. **Transmission**

Make/Type _____

Ratios _____

18. **Transfer Box**

Make/Type _____

Ratios _____

Transfer Differential Existing	☐	Yes	☐	No	Ratio	_____
Differential Lockable	☐	Yes	☐	No		
Declutchable	☐	Yes	☐	No		

19. **Max. Output Torque at Transfer Box** _____ Ft-Lb

20. **Overall Axle Ratio Required i_A** _____

21. **Max. Torque** per Vehicle at Tyres (Add Tractive Effort Diagram) _____ Ft-Lb

22. **Running Direction of Drive Flange** for Forward Travel (Looking at Flange Face)

Front Axle ☐ CW ☐ CCW Rear Axle ☐ CW ☐ CCW

23. **Dimensions of Drive Flange**

Type _____ Number of Holes _____

Pitch Circle Dia _____ Hole Dia _____

24. **Differential Lock Required** ☐ Yes ☐ No ☐ Lockable ☐ Selflocking

25. **Steering**

Steering Cylinder Fitted to Axle ☐ Yes ☐ No

Type of Steering Cylinder Piston Dia _____ In.

Rod Dia _____ In.

Max. Pressue _____ PSI

Additional Steering Lever Required?	☐	Yes	☐	No
Steering-Angle Sensor Required?	☐	Yes	☐	No

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26. **Brakes**

Type _____ Size _____

Required Brake Deceleration Service Brake _____

Parking Brake _____

27. **Brake Operation** ☐ Hydraulic ☐ Pneumatic ☐ Mechanic

Operated by ☐ Mineral Oil ☐ Brake Fluid

Operating Pressure _____ PSI

ABS Required? ☐ Yes ☐ No

28. **Vehicle Center of Gravity** _____ In.

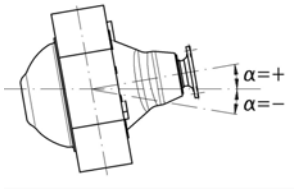
29. **Special Remarks for Application** _____

_____

30. **Sketch of Driveline Attached?** ☐ Yes ☐ No

31. **Drive head position** ☐ α = 0 ° horizontal

☐ α = _____ °



32. **For Installation and Clearance Check Customer Should Provide:**

Rim Drawing, Brake Actuator Drawing, Axle Bracket Drawings, Forces on Axle Brackets.

Axle Approval by Kessler + Co GmbH & Co. KG

For Execution due to Inst. drawing _____ Date _____

Signed, Date _____

The recommended axles for the particular application described, indicated by the installation 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. Therefore the OEM must maintain final and ultimate responsibility for determining and validating the appropriates of utilizing Kessler Axles in its products (prototype vehicle testing). Please advise if any additional information is required.

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