

OEM _____ Date _____
 Address _____

 Information Furnished by / Title _____
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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. Axle Arrangement | 1. | 2. | 3. | 4. | | |
|-----------------------------|----|----|----|----|--|--------------|
| Steerable/Max. Lock Angle | | | | | | Axle Degrees |
| Driven Axle | | | | | | |
| Drive Assembly Declutchable | | | | | | |
| Wheel Base | | | | | | mm |

2. **Gross Weight** Fully Loaded Empty to

| | | | | | | |
|--|--|--|--|--|--|----|
| 3. Axle Loads Fully Loaded at v= _____ km/h | | | | | | to |
| Axle Loads Unloaded at v= _____ km/h | | | | | | to |
| Axle Loads for Special Applications | | | | | | to |
| _____ | | | | | | to |
| _____ | | | | | | to |

4. **Max. Static Axle Loads** _____ to

5. **Max. Static Wheel Loads** _____ to



6. **Track Width Required** mm

7. **Axle Mounting/Type of Suspension**

| | | | | |
|-------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Spring | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Rigid | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Oscillating | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

8. **Spring Centers** mm

9. **Tyre Size** (S = Single, D = Dual Tyres)
Dynamic Radius of Tyres mm

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

11. **Rim Offset** mm

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 _____ kW at n = _____ min⁻¹
Max. Output Torque _____ Nm at n = _____ min⁻¹

15. **Hydrostatic Drive**
Make/Type _____
Max. Torque _____ Nm at _____ bar

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 _____ Nm

20. Overall Axle Ratio Required i_A _____

21. Max. Torque per Vehicle at Tyres (Add Tractive Effort Diagram) _____ Nm

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 _____
 Outside 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 _____ mm
 Rod Dia _____ mm
 Max. Pressue _____ bar

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



26. Brakes

Type _____ Size _____
 Required Brake Deceleration _____ Service Brake _____
 Parking Brake _____

27. Brake Operation

Operated by Hydraulic Pneumatic Mechanic
 Operating Pressure _____ Mineral Oil _____ Brake Fluid _____ bar

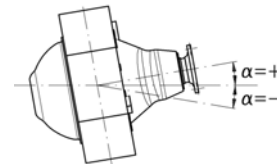
ABS Required? Yes No

28. Vehicle Center of Gravity _____ mm

29. Special Remarks for Application _____

30. Sketch of Driveline Attached? Yes No

31. Drive head position $\alpha = 0^\circ$ horizontal
 $\alpha = \underline{\hspace{2cm}}$



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 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.

