# Durr Multi Axle Dyno Brake Test Mechanical Schedule

| Task No. | Task Description – | OK | Not OK (If Not OK, Rectify or Notify M.E | Completed By |
|---|---|---|---|---|
| **1** | Check all feet on the main framework for security | ☐ | ☐ | ☐ |
| **2** | Check all framework fixings for security | ☐ | ☐ | ☐ |
| **3** | Inspect all welds on the framework for cracks | ☐ | ☐ | ☐ |
| **4** | Check all the floor plates are secure & damage free | ☐ | ☐ | ☐ |
| **5** | Check the condensate tank on the pneumatic system, drain if necessary | ☐ | ☐ | ☐ |
| **6** | Inspect the pneumatic system for leaks and security | ☐ | ☐ | ☐ |
| **7** | Check the wheelbase adjustment linear rails for security & clean if required | ☐ | ☐ | ☐ |
| **8** | Lubricate the wheelbase adjustment linear bearings using Multifak EP grease if required | ☐ | ☐ | ☐ |
| **9** | Inspect wheelbase linear rail brakes for damage and wear | | | |
| **10** | Lubricate both the wheelbase adjustment spindle drives with Multifak EP grease | ☐ | ☐ | ☐ |
| **11** | Check security of two wheelbase adjustment motors & gearbox | ☐ | ☐ | ☐ |
| **12** | Check security of all wheel pitch motors and spindle gearboxes. | | | |
| **13** | Check the toothed belts on the friction force rollers for wear & damage | ☐ | ☐ | ☐ |
| **14** | Check the tension of the toothed belts on the friction force roller and record on the attached results sheet. Frequency should be between 31-32 Hz. **Motors must be calibrated if tension is adjusted** | ☐ | ☐ | ☐ |
| **15** | Check the tension rollers, mounting plates & jacking bolts for security and wear | ☐ | ☐ | ☐ |
| **16** | Ensure security and condition of the rollers & bearings | ☐ | ☐ | ☐ |
| **17** | Check the sideways ride out rollers for security, condition & correct operation | ☐ | ☐ | ☐ |
| **18** | Check the motor bearings for security & lubricate if required | ☐ | ☐ | ☐ |
| **19** | Check security of all free rolling calibration motors | ☐ | ☐ | ☐ |
| **20** | Check the tension plates which the motors are mounted on | ☐ | ☐ | ☐ |
| **21** | Check the elephant brakes for security | ☐ | ☐ | ☐ |
| **22** | Inspect the brake pads on the elephant brakes for wear & damage | ☐ | ☐ | ☐ |
| **23** | Inspect the elephant brake pipework & fittings for security and wear | ☐ | ☐ | ☐ |
| **24** | Check the brake discs on the rollers for security, damage & wear | ☐ | ☐ | ☐ |
| **25** | Test all bearings using the bearing test meter (MTL0062) and record results on the attached results sheet | ☐ | ☐ | ☐ |

| Task No. | Task Description – | OK | Not OK (If Not OK, Rectify or Notify M.E | Completed By |
|---|---|---|---|---|
| **26** | Check the long travel KBK rails are securely fixed to the roof beams | ☐ | ☐ | ☐ |
| **27** | Inspect the long travel KBK rail end stops and jointing bolts for security, wear & damage | ☐ | ☐ | ☐ |
| **28** | Check the security of the long travel trollies on the KBK rails | ☐ | ☐ | ☐ |
| **29** | Check the security of the cross-travel beam to the long travel KBK trollies | ☐ | ☐ | ☐ |
| **30** | Inspect the long travel KBK rail end stops for security, wear & damage | ☐ | ☐ | ☐ |
| **31** | Check the cross travel KBK rail for security | ☐ | ☐ | ☐ |
| **32** | Check the block & tackle is securely attached to the cross travel KBK carriage | ☐ | ☐ | ☐ |
| **33** | Check the correct operation of the block & tackle ensuring the correctly coloured ty-wrap is fitted. Refer to the lifting tackle notice boards for correct colours | ☐ | ☐ | ☐ |
| **34** | Inspect the general condition of the ducting inside the booth | ☐ | ☐ | ☐ |
| **35** | Check the security of the ducting inside the booth including the joints | ☐ | ☐ | ☐ |
| **36** | Check the motor, mountings, and vibration pads on the 4 chambers on the booth roof. **Isolation procedure must be followed before entering any of the chambers** | ☐ | ☐ | ☐ |
| **37** | Clean out any debris and vacuum out any accumulated dust from the 4 chambers | ☐ | ☐ | ☐ |
| **38** | Inspect all ducting on the ventilation platform for security, damage and signs of wear | ☐ | ☐ | ☐ |

**Comments, Note Task Number Adjacent to Any Issues Found**

| | |
|---|---|
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |
| | |