

TECHNICAL SERVICE BULLETIN

Bulletin No.: TSB-045

Date: July 30, 2022

Subject: VP 10 Series Chassis Retrofit

Models: All Quantum VP 10 Series Trailer Chassis Sold before May 2022

Background

The Quantum VP-10 Series Virtual Pipeline (VP) trailers are small portable gas storage units designed for utility service. Due to the weight rating of the trailer and the power units that would be pulling them, these trailers are not equipped with air brakes, they are equipped with an electric brake system.

Condition

When these chassis were built there were no requirements for any type of stability control system to be installed.

Any VP-10 series trailers sold by Quantum prior to May, 2022 will not have a Sway Stability Control (SSC) system installed.

Due to concerns over the stability of virtual pipeline trailers during transport, a decision was made to add this requirement to special permit SP-16524.

Cause

The Quantum special permit SP-16524 that allows for these trailers to operate on public highways was amended by DOT in April, 2022 to include a provision requiring that all trailers be retrofit with a SSC system by no later than January 30, 2023.

See attachment: Special Permit SP-16524, page 12, clause 7.d.5

Correction

Any VP-10 series trailer that is not already equipped with a SSC system, must be retrofit with a SSC system by no later than January 30, 2023.

Any trailer that is not properly retrofit with an SSC system after January 30, 2023 is no longer in compliance with the Quantum special permit SP-16524 and is not approved for use or transportation on public highways until the retrofit is completed.

TECHNICAL SERVICE BULLETIN**Labor Time**

All VP 10 Trailers:

Labor OP Time: ~6.0 Hours

Parts Information

Description	Part Number	Qty
See Below	N/A	1

Application

All 10' VP Trailers produced before May 2022

Quantum recommends the following components be installed to satisfy this requirement:

- Tuson Sway Control system TSC-1000 or equivalent
- Full sized 12v trailer battery, Group U1 or larger. Gel cell batteries are not permissible.
- Connections shall be made with sealed soldered joints or automotive grade IP67 rated electrical connectors.

Other SSC systems and or components may be used but in those cases compliance with the special permit and proper operation is the responsibility of the installer.

Any SSC system must be installed following manufacturers installation instructions.

Quantum does not believe that any hitch that provides sway control would satisfy the requirements of the special permit.

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