



Transportation Permits Policy Memorandum

Subject: Load Transfer for Close Coupled Cranes
Date: June 7, 2013
Policy: TPPM 2011-01
Reference: CTPAC WG9-101304-001

Objective

This policy will allow for the load transfer between the close coupled axles of an extralegal "purple" chart weight truck crane carrier, in combination with a boom support dolly. Additionally, the boom dollies used in conjunction with these crane carriers are allowed up to extralegal "green" chart weight.

Existing Documentation

Transportation Permits Manual, Section 305.3.4 Load Transfer

Truck cranes having an axle or axle group whose suspension is dependent upon pneumatic or hydraulic devices to carry any portion of its weight shall not be allowed a load transfer.

Truck cranes equipped with four-axles or more which meet the following requirements may be allowed a load transfer from one end of the carrier to the other if:

- Axle width is at least 10' 0" measured from outside to outside of the widest part of the tires (not to include load-induced tire bulge).
- Equipped with four tires per axle. When equipped with flotation-type tires of a minimum size of 18 x 19.5 only two tires per axle are required.
- Equipped with tires that have a minimum cross-section of 14 inches.
- No close coupled axle groups.

Transportation Permit Manual Changes

1) *Revise the second bullet item from Section 305.3.4 Load Transfer to read as follows:*

- Equipped with four tires per axle. When equipped with single wide type tires of a minimum size of 18 x 19.5 only two tires per axle are required. The metric equivalent cross section width of 445mm is also acceptable.

Transportation Permit Manual Changes (Con't)

2) *Delete the last bullet item from Section 305.3.4 Load Transfer:*

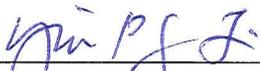
- ~~No close coupled axle groups.~~

3) *Add the following new Section 305.3.4.1 Load Transfer for Closed Coupled Cranes:*

Section 305.3.4.1 Load Transfer for Close Coupled Cranes

Crane carrier with close coupled "purple" chart weight axles and the "green" chart weight boom support vehicle are allowed to have load transfer from one end of the carrier to the other. To qualify for load transfer, the crane carrier must meet all of the following:

1. The crane carrier shall meet all Section 305.3.4 equipment requirements.
2. The crane carrier must be equipped with hydrogas suspension system.
3. Scale or proposed axle group weights may not exceed the values in the Appendix 20 weight charts (Plate 25-5) by 7.5 percent.
4. Weight may be transferred from only one axle weight group to any other axle weight group(s), provided that sufficient weight capacity is available for transfer.
5. The unbonded group weight values in the Appendix 20 weight charts (Plate 25-5) may be increased by up to 2.0 percent for qualifying crane carriers.
6. The maximum weight that may be transferred is 7,000 pounds.
7. The boom support vehicle shall not be close coupled.
8. Weights shall be determined by the Department and is limited to the equipment capacity.


YIN-PING LI, Chief
Office of Truck Services

6/7/2013
Date