

Pursuant to the authority vested in California Air Resources Board by Health and Safety Code Divisions 25.5 and 26, Part 5, Chapter 2; and pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: The following heavy-duty highway trailers are certified as described below. Production vehicles shall be in all material respects the same as those for which certification is granted.

MODEL YEAR	TRAILER FAMILY NAME	TRAILER TYPE & SUB-CATEGORY	TRAILER MAKE & MODELS
2020	LCCR3TRLRLAR	Full Aero Long Box Refrigerated Van	Vanguard CIMC R8000B, Vanguard CIMC R8000M
EMISSION CONTROL IDENTIFIERS			
LRRRA, TATS, TARF, ATI, WRTW, WBSW, WBAW, WBLW, DWSW, DDAW, DWLW			
<small>*=not applicable; LRRRA = Low rolling resistance tires (all); TGRT = Gap reducing trailer fairing (tractor to trailer gap); TATS =Trailer aerodynamic side skirt; TARF= Trailer aerodynamic rear fairing; TAUD =Trailer aerodynamic underbody device; ATI = Automatic tire inflation system; TPMS = Tire pressure monitoring system; WRTW = Weight-reducing trailer wheels; WRTC = Weight-reducing trailer upper coupler plate; WRTS = Weightreducing trailer axle subframes; WBSW = Wide-base single trailer tires with steel wheel; WBAW = Wide-base single trailer tires with aluminum wheel; WBLW = Wide-base single trailer tires with light-weight aluminum alloy wheel; DWSW = Dual-wide trailer tires with steel wheel; DDAW = Dual-wide trailer tires with aluminum wheel; DWLW = Dual-wide trailer tires with lightweight aluminum alloy wheel</small>			

Shown below are the Greenhouse Gas Exhaust Emission Standard in g/ton-mile and the Tire Coefficient of Rolling Resistance Standard in kg/metric ton as applicable under 17 CCR 95663:

In g/ton-mile	STANDARD	Highest Calculated Emissions Value
CO ₂	83.0	82.7

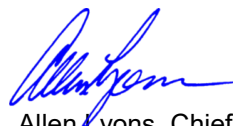
kg/metric ton	STANDARD	Highest Projected Tire CRR Value
Tire CRR	*	*

BE IT FURTHER RESOLVED: For the listed trailer family, the manufacturer has demonstrated compliance with the Greenhouse Gas Emission Standards as specified Title 17 CCR 95663 and the incorporated "California Greenhouse Gas Exhaust Emission Standards and Test Procedures for 2014 and Subsequent Model Heavy-Duty Vehicles" (HDV Test Procedures), amended December 19, 2018. The manufacturer has submitted the required information and therefore has met the criteria necessary to receive a California Executive Order for the above listed trailer family

BE IT FURTHER RESOLVED: For the listed trailers the manufacturer has submitted the materials to demonstrate certification compliance with 13 CCR 1965 (emission control labels), and 13 CCR 2035 et seq. (emission control warranty).

Trailers certified under this Executive Order must conform to all applicable California emission regulations.

Executed on this 16th day of October 2020.



Allen Lyons, Chief
 Emissions Certification and Compliance Division