

Alternative Technologies for Complying with the Commercial Harbor Craft Regulation¹

The alternative technologies listed are one of several options which can be used to satisfy the CHC Regulation U.S. EPA Tier 2 marine or equivalent compliance requirements. The U.S. EPA Tier 2 alternative technologies must be initiated via a purchase order prior to effective date for U.S. EPA Tier 3 marine engine emission standards.

U.S. EPA Tier 2 Marine Engine Emission Standards Alternative Technologies						
Company²	Technology Description	ARB Letter Link	Applicable Engines	Contacts		
				Name	Phone	E-mail
Electro-Motive Diesel (EMD)	Engine Rebuild Kit	9/2/2010 645E	645E or 645EB Turbo	David Peterson	916-374-2966	David.Peterson@ValleyPSI.com
		10/25/2010 645EB Turbo		Troy A. Bourgeois	985-223-7141	Troy.Bourgeois@Kirbycorp.com
				Craig McKeen	708-387-3640	craig.mckeen@emdiesels.com
Clean Cam Technologies System	Engine Rebuild Kit	10/26/2010	L / V-71T	Don Fairchild	661-391-4520	don@cctskit.com
Caterpillar	3500 Marine EUG Kit 3	4/25/2011	3500 Series	Glenn M Luksik	309-494-6937	Luksik_Glenn_M@cat.com

The alternative technologies listed can be used to satisfy the ARB Commercial Harbor Craft Regulation U.S. EPA Tier 3 marine or equivalent compliance requirements.

U.S. EPA Tier 3 Marine Engine Emission Standards Alternative Technologies						
Company²	Technology Description	ARB Letter Link	Applicable Engines	Contacts		
				Name	Phone	E-mail
Currently there are no U.S. EPA Tier 3 marine alternative technologies						

Alternative technology developers who wish to pursue obtaining ARB approval for their technologies to be used for compliance with commercial harbor craft U.S. EPA Tier 2 or Tier 3 marine or equivalent compliance requirements, please contact Mr. Kirk Rosenkranz at 916-327-7843 or krosenk@arb.ca.gov.

¹ Title 17, CCR, section 93118.5

² Trade names mentioned herein do not imply ARB endorsement.