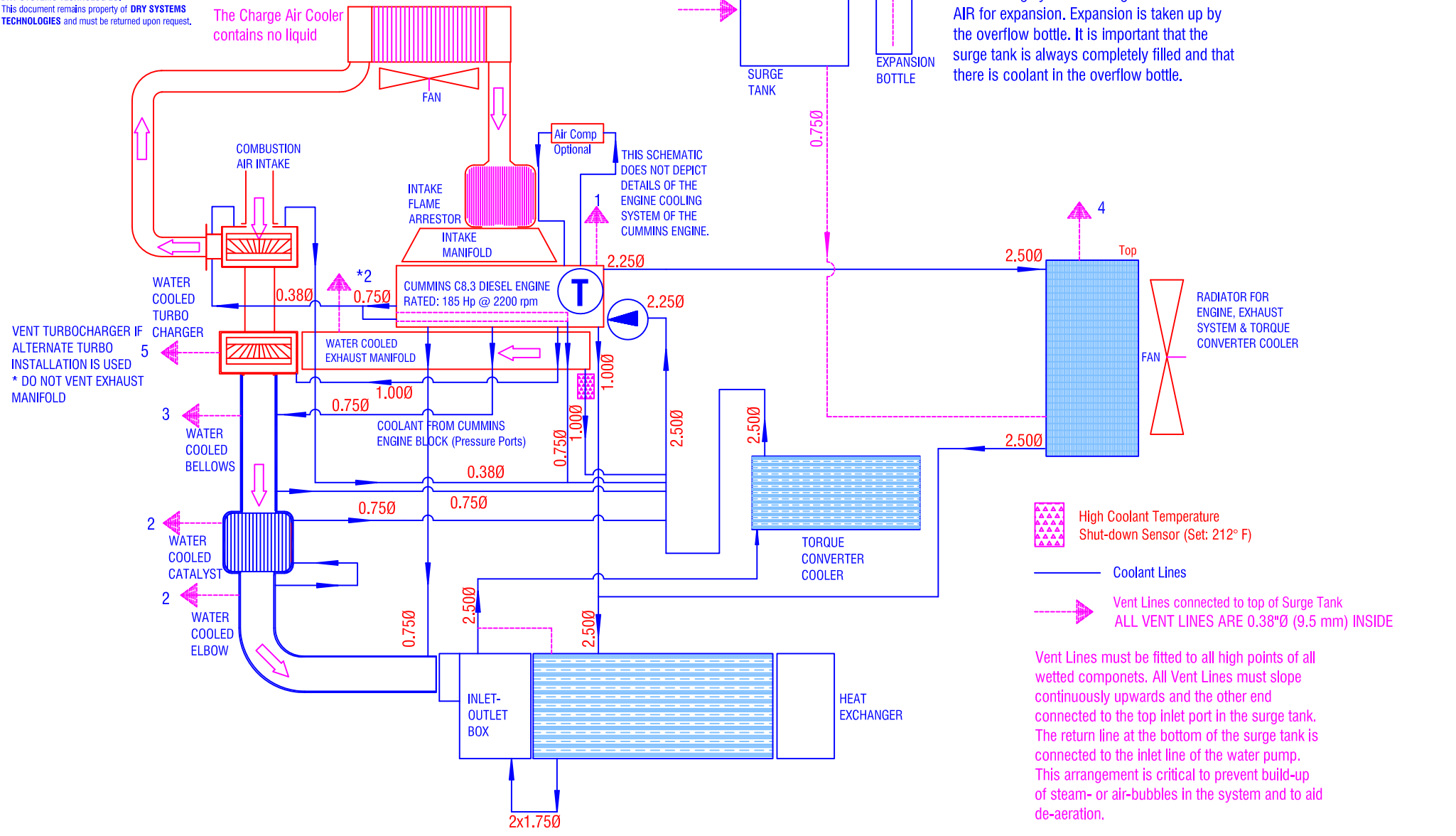


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This cooling system is designed to contain NO AIR for expansion. Expansion is taken up by the overflow bottle. It is important that the surge tank is always completely filled and that there is coolant in the overflow bottle.

THIS SCHEMATIC DOES NOT DEPICT DETAILS OF THE ENGINE COOLING SYSTEM OF THE CUMMINS ENGINE.

High Coolant Temperature Shut-down Sensor (Set: 212° F)

Coolant Lines
Vent Lines connected to top of Surge Tank
ALL VENT LINES ARE 0.38"Ø (9.5 mm) INSIDE

Vent Lines must be fitted to all high points of all wetted components. All Vent Lines must slope continuously upwards and the other end connected to the top inlet port in the surge tank. The return line at the bottom of the surge tank is connected to the inlet line of the water pump. This arrangement is critical to prevent build-up of steam- or air-bubbles in the system and to aid de-aeration.

DO NOT CHANGE WITHOUT PRIOR APPROVAL FROM MSHA

185 Hp Cummins 8.3 Turbo

TOLERANCES Linear unless noted Machined: ±0.005 Fabricated: ±0.01 Angular: ±1/2° Surface finish 125					DRY SYSTEMS TECHNOLOGIES 8102 LEMONT ROAD - Suite 700 WOODRIDGE, IL 60517 Phone: 630-427-2051 Fax: 630-427-1036 E-Mail: eng@dryssystemstech.com	DESCRIPTION COOLING SYSTEM	NO RECD ONE	
	SCALE FULL	DATE 4 Oct 05	DRAWN BY R Gibbs					
	MATERIAL		APPROVED BY					
	DRAWING NO. M250-008-01							
	REV	DATE	NOTE	DESCRIPTION				