

	FUNCTION		FUNCTIONAL FAILURE		FAILURE MODE	FAILURE EFFECT
1	To deliver diesel fuel to the engine at an uninterrupted delivery pressure flow of 2,300-2,700 psi, while operating under load.	A B	Unable to deliver diesel fuel. Provides uninterrupted delivery pressure flow but at less than 2,300 psi, while operating under load.			
2	To contain diesel fuel.	A	Unable to contain diesel fuel.			
3	To display the quantity of fuel in the tank within +/- 10% of actual. (Fuel Level Indicator)	A B	Unable to display the quantity of fuel in the tank. Displays the quantity of fuel in the tank within more than +/- 10% of actual.			
4	To manually drain accumulated moisture and debris from the diesel fuel tank, as required. (Fuel Tank Manual Drain)	A	Unable to manually drain accumulated moisture and debris from the diesel fuel tank, as required.			
5	To be capable of sounding an alarm in the event that the fuel level drops below 1/8 of a tank. (Low Fuel Alarm System)	A B	Incapable of sounding an alarm in the event that the fuel level drops below 1/8 of a tank. Falsely sounds the Low Fuel Alarm.			
6	To display differential fuel pressure across the primary fuel filter within +/- 0.5 psi. (Primary Fuel Filter Differential Pressure Gauge)	A B	Unable to display differential fuel pressure across the primary fuel filter. Displays differential fuel pressure within more than +/- 0.5 psi.			
7	To manually drain accumulated moisture and debris from the primary fuel filter, as required. (Primary Fuel Filter Manual Drain)	A	Unable to manually drain accumulated moisture and debris from the primary fuel filter, as required.			
8	To isolate the fuel system and prevent fuel drain-back when the fuel filters are replaced. (Manual Shutoff Valve)	A	Unable to isolate the fuel system and prevent fuel drain-back when the fuel filters are replaced.			