



Hale Products, Inc. Service Bulletins

Bulletin#: SB 130 **Revision#:** A **Date:** August 26, 2015

Product Type Covered:

<input type="checkbox"/>	Vehicle Mounted Pump	<input type="checkbox"/>	Valve
<input type="checkbox"/>	Portable Pump	<input type="checkbox"/>	Refueler Pump
<input type="checkbox"/>	Pump End	<input type="checkbox"/>	CAFS
<input type="checkbox"/>	Foam Proportioners	<input type="checkbox"/>	Parts and/or Accessory
<input checked="" type="checkbox"/>	Skid and Trailers		

Keywords: Governor; Iveco C13 Marine; Dual Stage Pumps

Product Covered:

Governor Management during RPM Fluctuation

Problem Statement:

An engine driven unit that is equipped with an Iveco C13 Marine Diesel engine, a two stage Hale pump and an electronic governor may exhibit fluctuations of rpms and psi when operating in the range of 2200-2290 rpms.

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Date: 08/26/15

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Body of the Bulletin

Due to the inherent design characteristics of this engine, it has been observed that the engine rpms may fluctuate when operating through the range of 2200rpms – 2290rpms and governing engine with an electronic governor. Given this tight range of operation, the operator can take a few steps to assist in minimizing the fluctuations in rpm. The following suggestions are referencing the use of a Class1 TPG governor.

Step 1: Operate engine in rpm mode until you have reached your target performance spot and observe the rpm parameters looking for it to stabilize. This should take place in about 30 seconds. Once the rpms have stabilized, then you may choose to operate in pressure mode. If the rpms have not stabilized, then increase the rpms slowly until it is stable.

Step 2: If already operating in pressure and unit begins to fluctuate, change the operating mode to pressure mode and increase rpms. You may reduce rpms once the engine has stabilized and try again. Otherwise, change back to pressure mode while at the new rpm range.