cannot exceed the maximum rated speed by more than 15 percent.

(c) Each prime mover must shut down automatically upon loss of lubricating pressure to the generator bearings if the generator is directly coupled to the engine. If the generator is operating from a power take-off, such as a shaft driven generator on a main propulsion engine, the generator must automatically declutch (disconnect) from the prime mover upon loss of lubricating pressure to generator bearings.

§ 111.12–3 Excitation.

In general, excitation must meet sections 4–8–3/13.2(a), 4–8–5/5.5.1, 4–8–5/5.5.2, and 4–8–5/5.17.6 of the ABS Steel Vessel Rules (incorporated by reference; see 46 CFR 110.10–1), except that those for mobile offshore drilling units must meet Part 4, Chapter 3, sections 4/3.21.1 and 4/3.23.1 of the ABS MODU Rules (incorporated by reference; see 46 CFR 110.10–1). In particular, no static exciter may be used for excitation of an emergency generator unless it is provided with a permanent magnet or a residual-magnetism-type exciter that has the capability of voltage build-up after two months of no operation.

§ 111.12–5 Construction and testing of generators.

Each generator must meet the applicable requirements for construction and testing in section 4–8–3 of the ABS Steel Vessel Rules (incorporated by reference; see 46 CFR 110.10–1) except that each one for a mobile offshore drilling unit must meet the requirements in part 4, chapter 3, section 4 of the ABS MODU Rules (incorporated by reference; see 46 CFR 110.10–1). In particular, no static exciter may be used for excitation of an emergency generator unless it is provided with a permanent magnet or a residual-magnetism-type exciter that has the capability of voltage build-up after two months of no operation.

§ 111.12–7 Voltage regulation and parallel operation.

Voltage regulation and parallel operation must meet:

(a) For AC systems: sections 4–2–3/7.5.2, 4–2–4/7.5.2, 4–8–3/3.13.2, and 4–8–3/3.13.3 of the ABS Steel Vessel Rules (incorporated by reference; see 46 CFR 110.10–1);

(b) For DC systems: section 4–8–3/3.13.3(c) of the ABS Steel Vessel Rules, and IEC 60092–202 and IEC 60092–301 (both incorporated by reference; see 46 CFR 110.10–1); and