

NFPA 20-2022 Edition

Standard for the Installation of Stationary Pumps for Fire Protection

TIA Log No.: 1604

Reference: 11.4.1.3.1

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www.nfpa.org/20

1. Revise 11.4.1.3.1 to read as follows:

11.4.1.3.1* Fuel supply tank(s) shall be sized for a minimum of 12 hours of engine run time based on the fuel supply consumption rate requirements of the engine as indicated on the manufacturer's published data, plus 5 percent volume for expansion and 5 percent volume for sump.

Substantiation: There are three different rates that are specified for diesel engines: Fuel Supply, Fuel Return, and Fuel consumption. The "fuel supply rate" is not the appropriate rate and should be changed to the "fuel consumption rate." As the section is currently written, this requirement would grossly over size the diesel fuel tank. This language needs to be changed for it to have the effect the committee wanted to achieve. This terminology was overlooked during the second draft meeting as the submitter used fuel consumption rate in his substantiation, but inadvertently used fuel supply rate in the submitted text.

Emergency Nature: The standard contains an error or an omission that was overlooked during the regular revision process.

The requirements above were revised by SR-29. The submitter of the public comment that prompted this change referenced "fuel consumption rate" in his substantiation, however "fuel supply rate" was erroneously used in the revised text. As the section is currently written, this grossly oversize the diesel fuel tank. This language needs to be changed to meet the committee's and submitter's original intent.