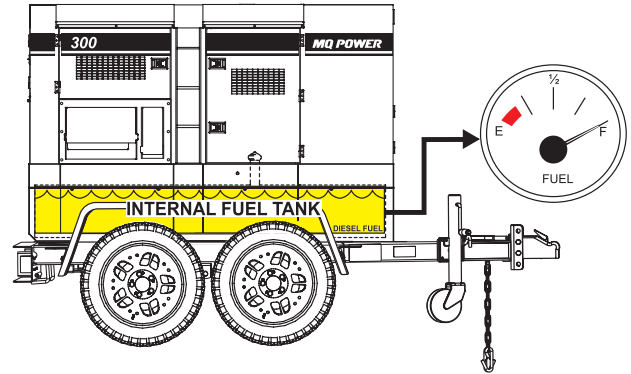


DEF Replenishment System Overview

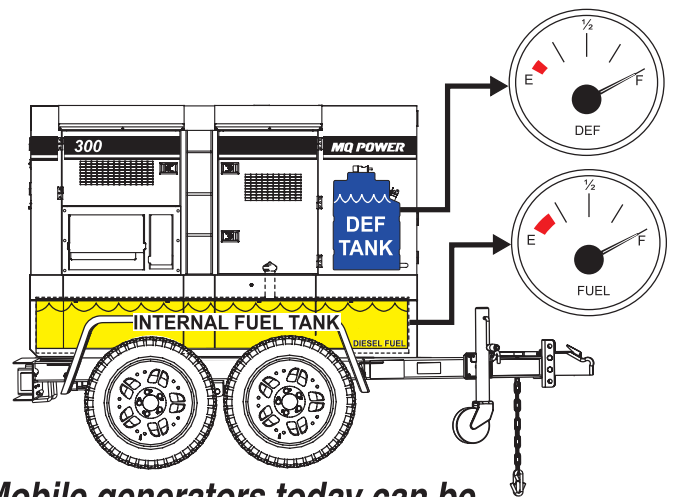
1

Prior to EPA Tier 4 Diesel Emissions, only Fuel was required to operate an engine.



2

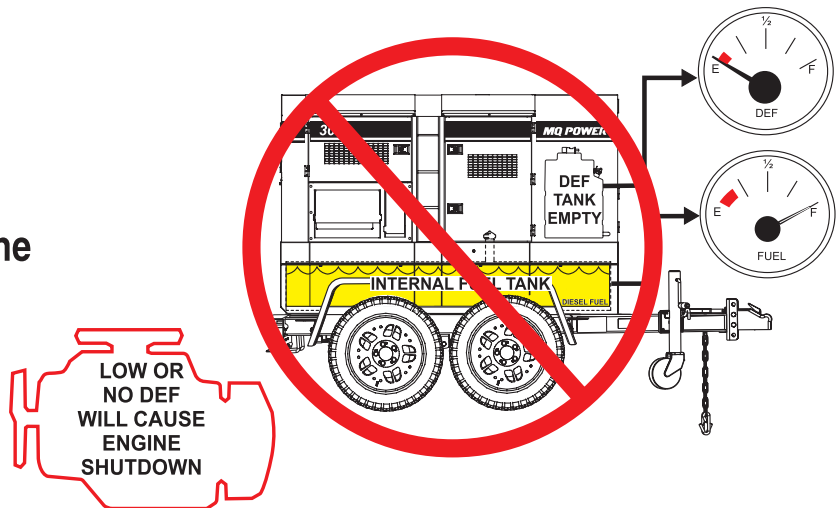
Larger Tier 4 Engines require fuel AND Diesel Exhaust Fluid (DEF) in order to operate.



Mobile generators today can be equipped with both Diesel and DEF tanks.

3

Even with ample fuel, without DEF, the engine cannot continue to operate.



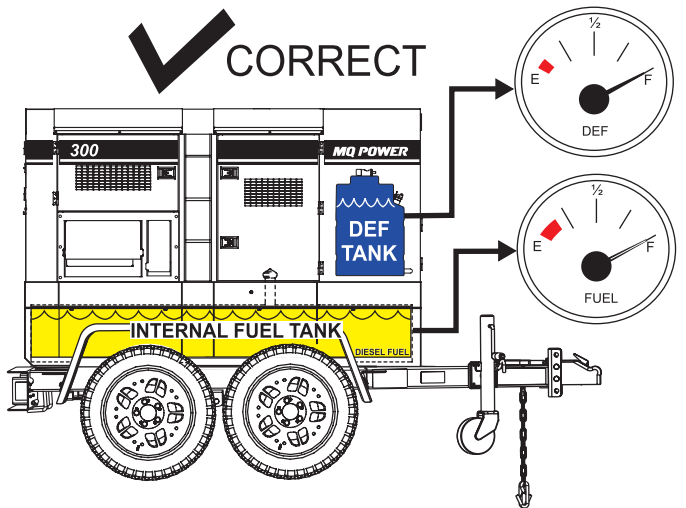
Power you can count on.



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4

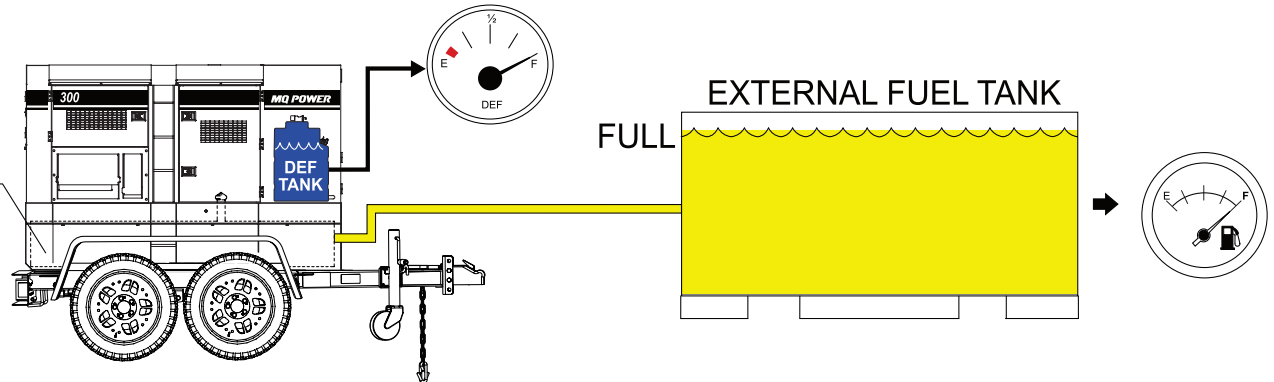
It is required that both fuel AND DEF tanks are filled to ensure uninterrupted operation.



When operating using external fuel tanks for extended run time, due to space constraints, internal DEF tanks do not have enough capacity to operate without replenishment.

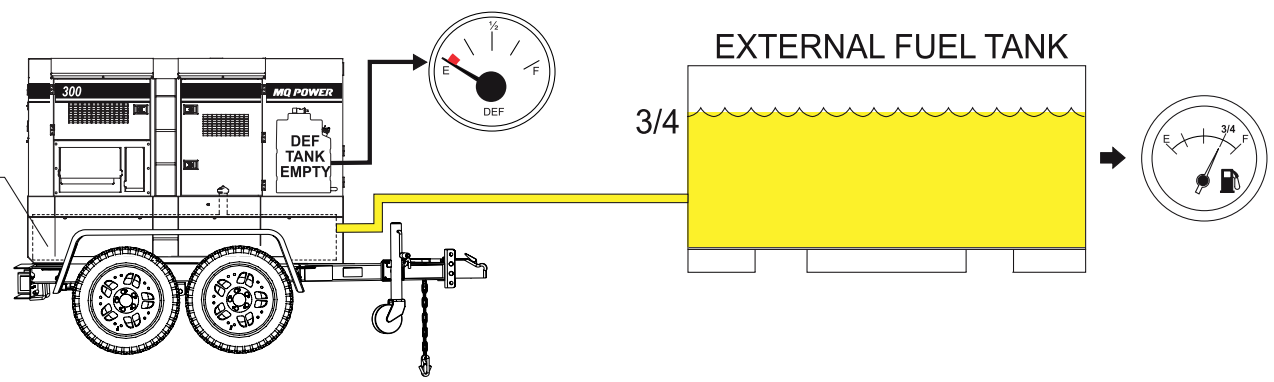
5A

INTERNAL FUEL TANK NOT USED



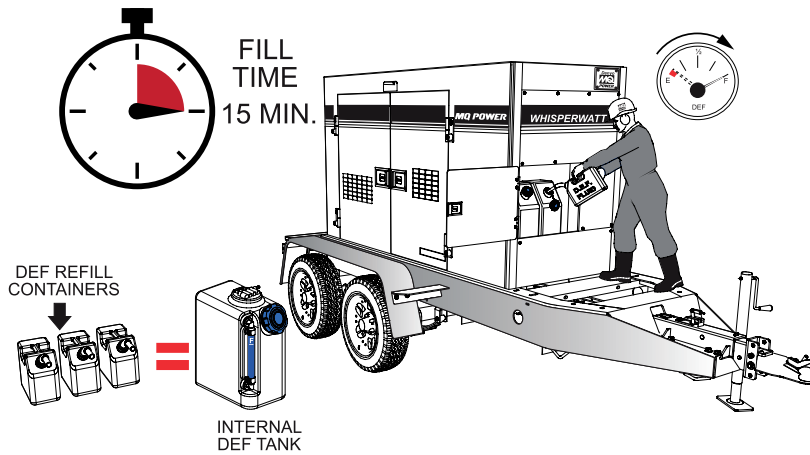
5B

INTERNAL FUEL TANK NOT USED

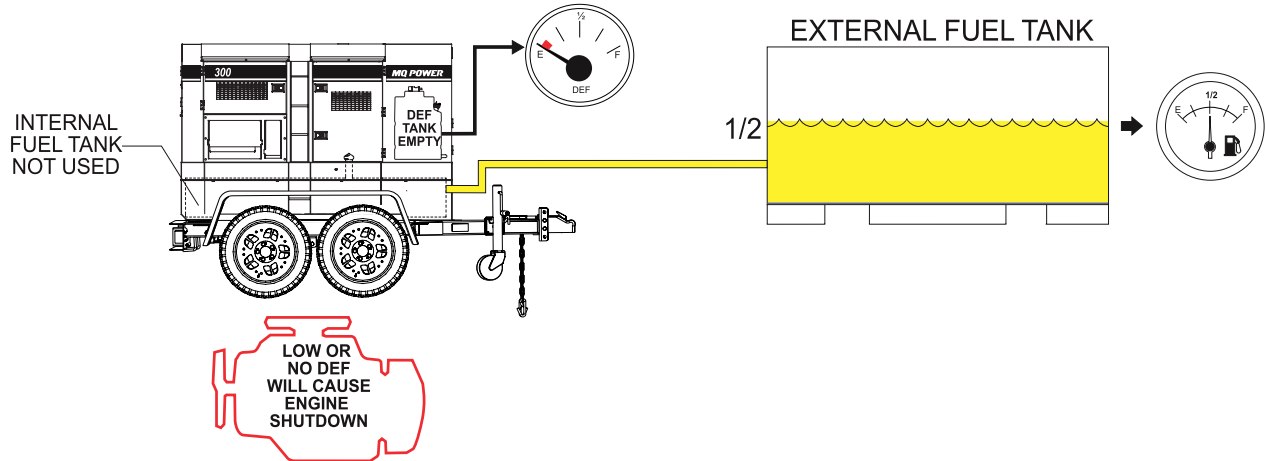


LOW OR NO DEF WILL CAUSE ENGINE SHUTDOWN

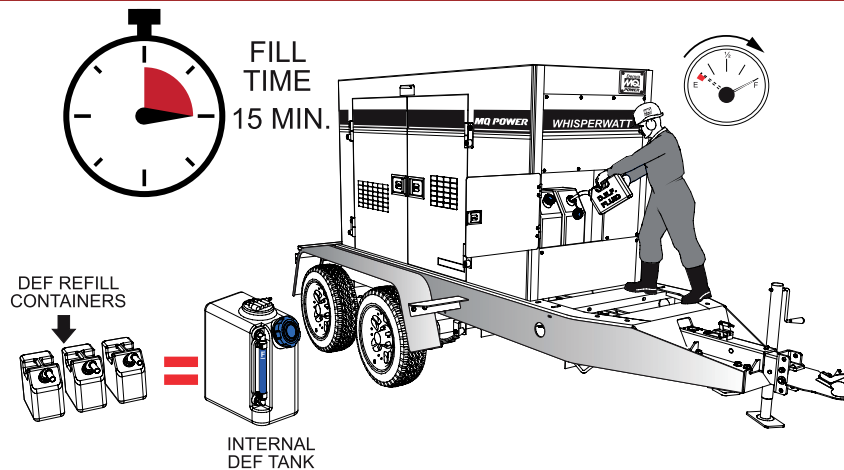
5C



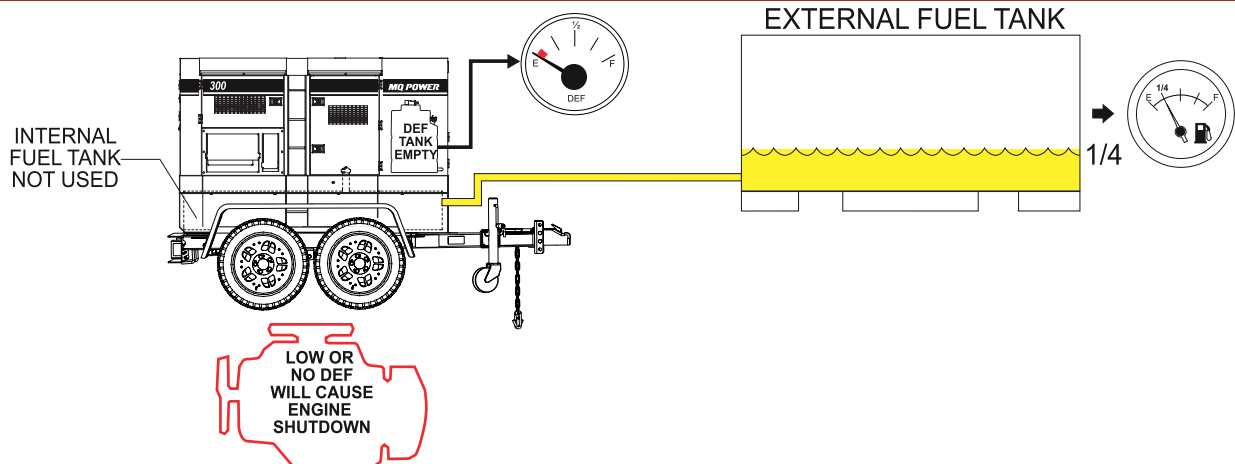
5D



5E

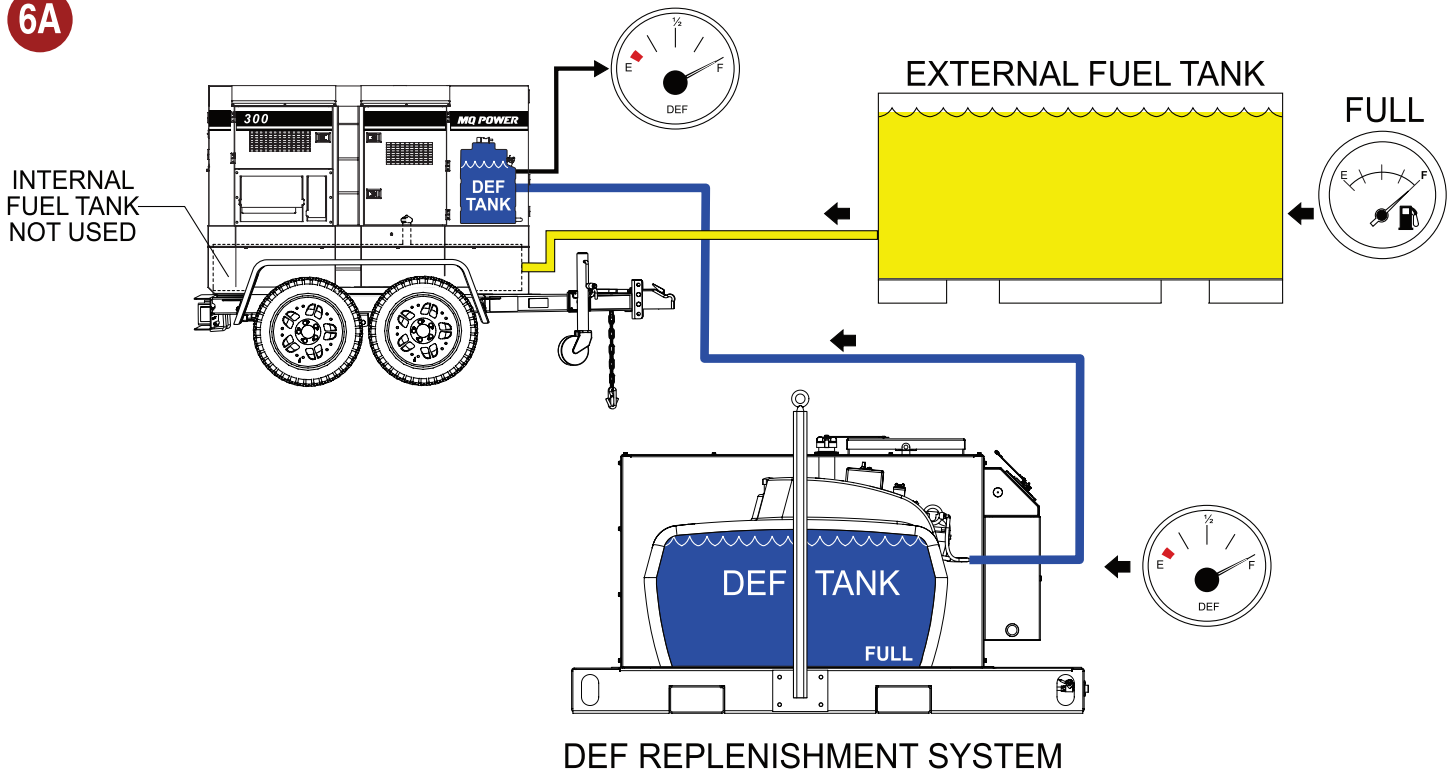


5F

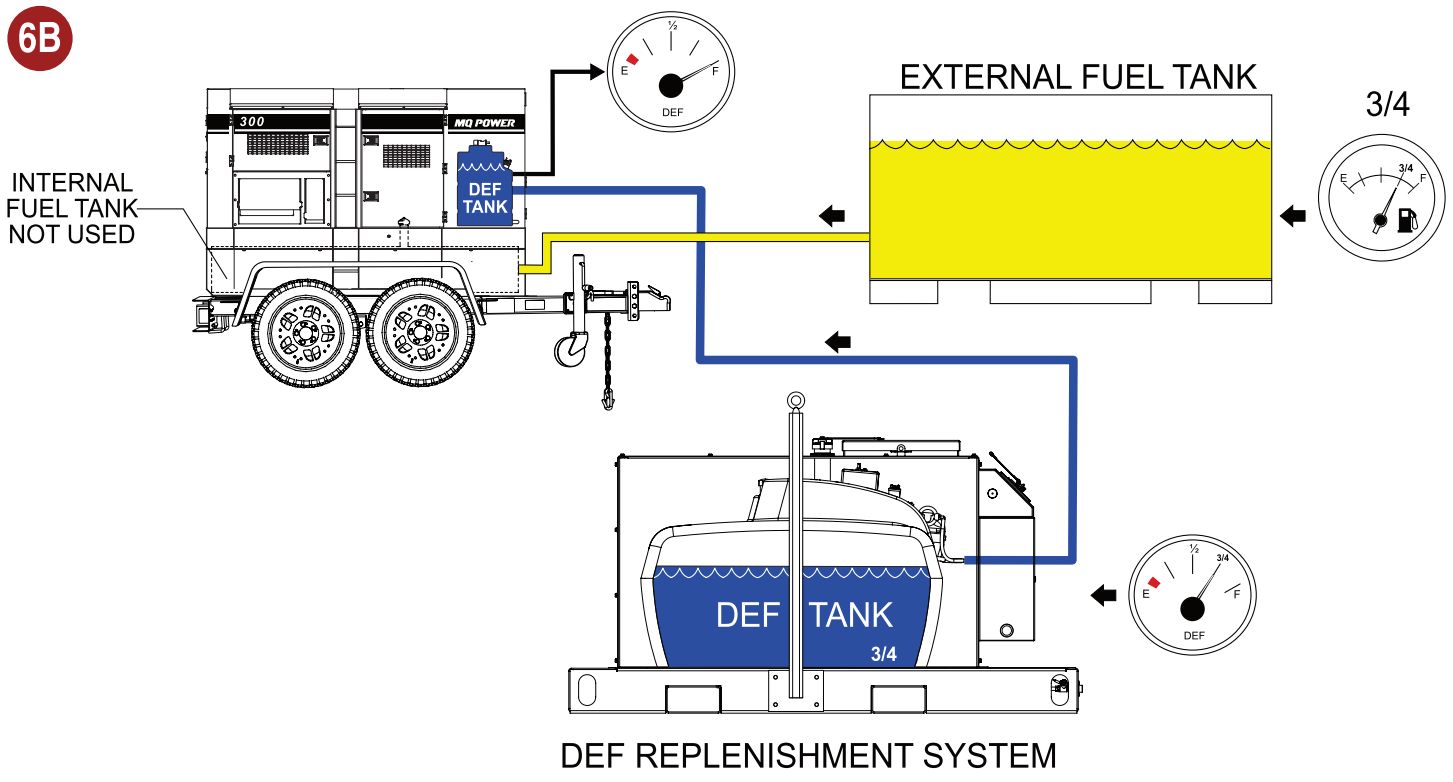


The MQ DEF Replenishment System automatically fills the internal DEF tanks as needed.

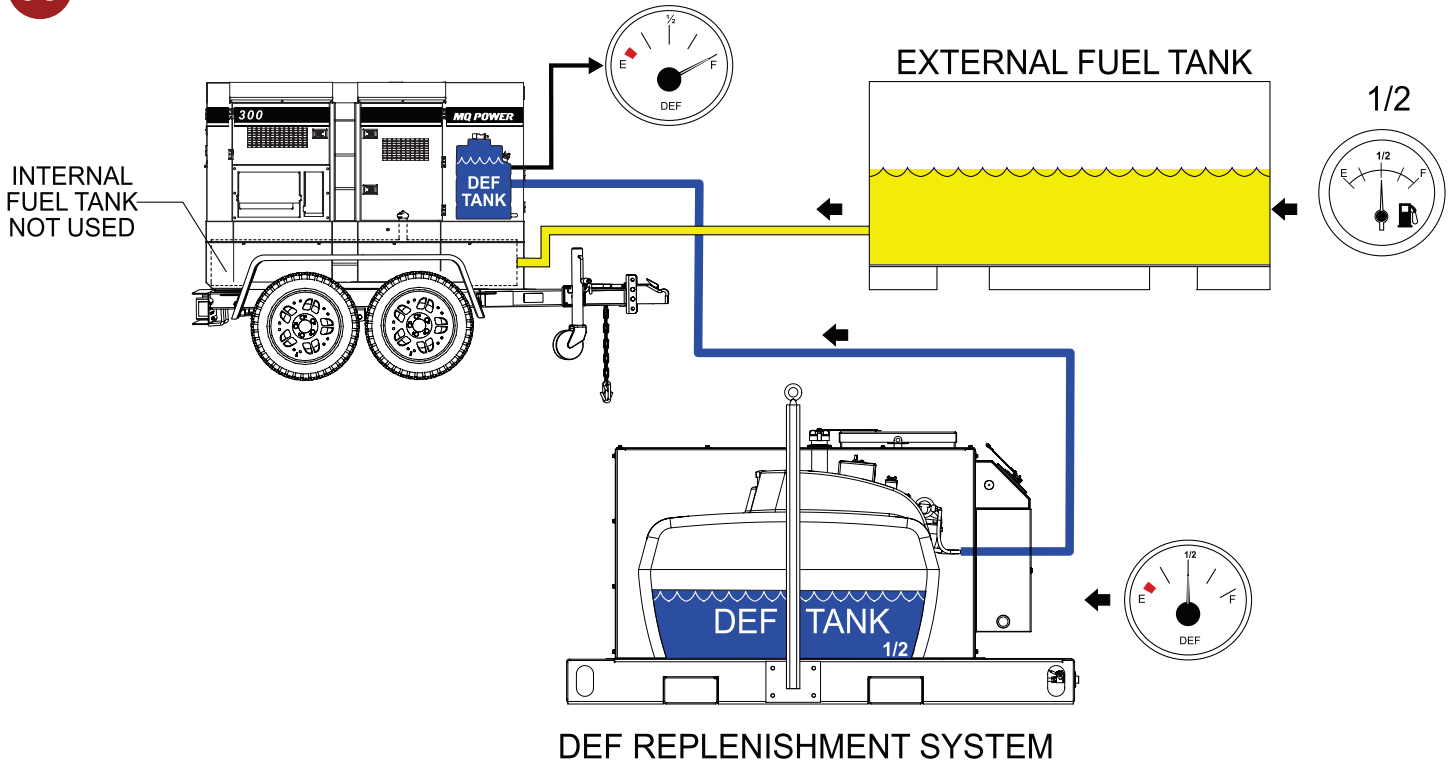
6A



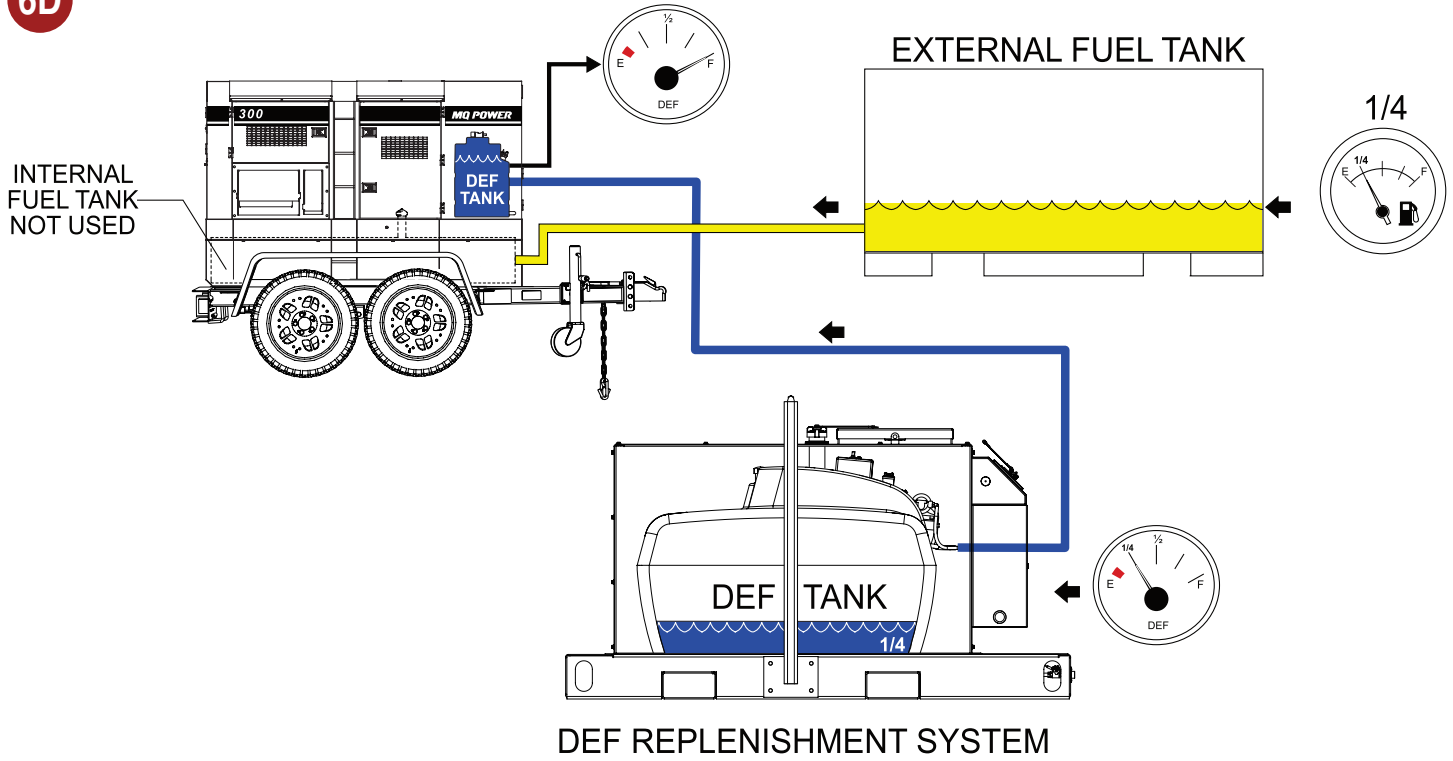
6B



6C

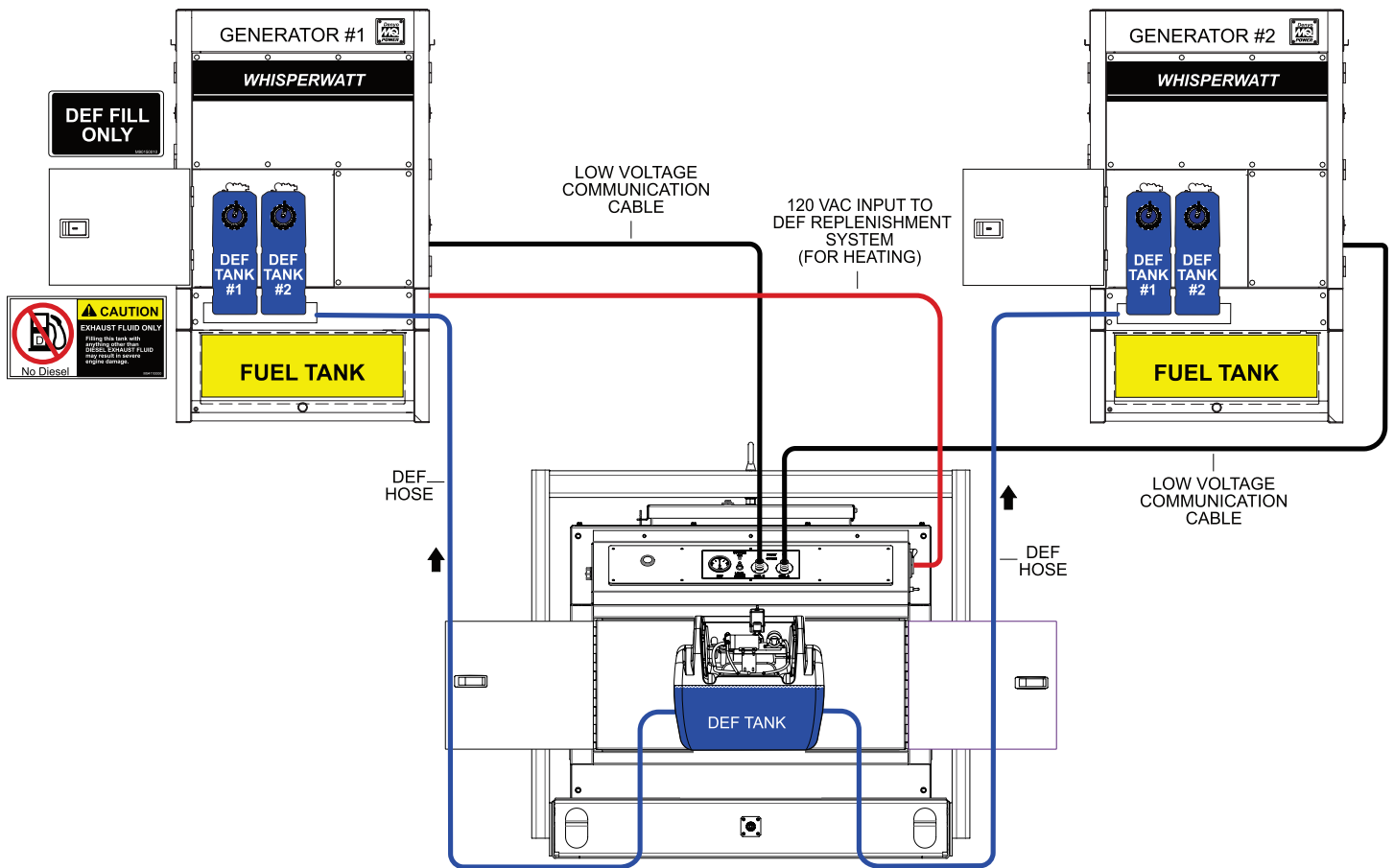


6D

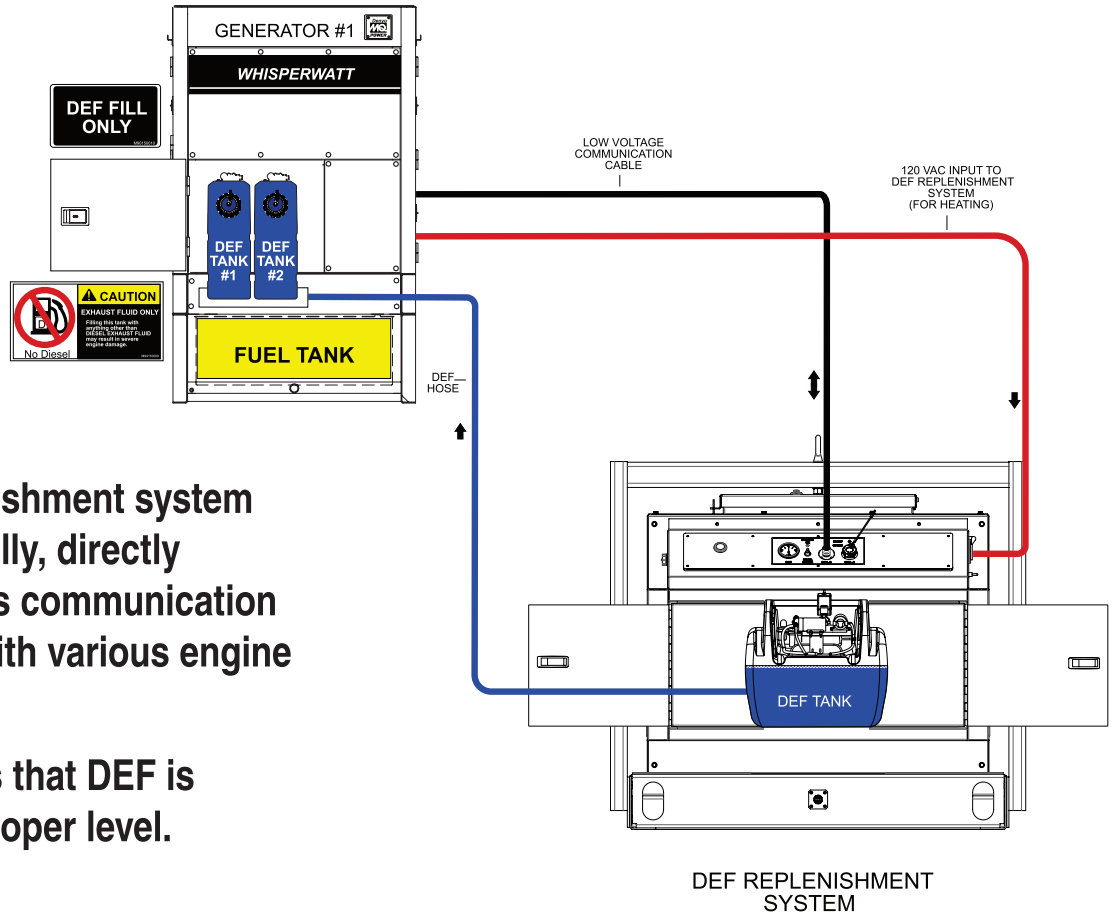


7

A single DEF Replenishment System is capable of managing DEF for two generators.



DEF Replenishment System: How It Works



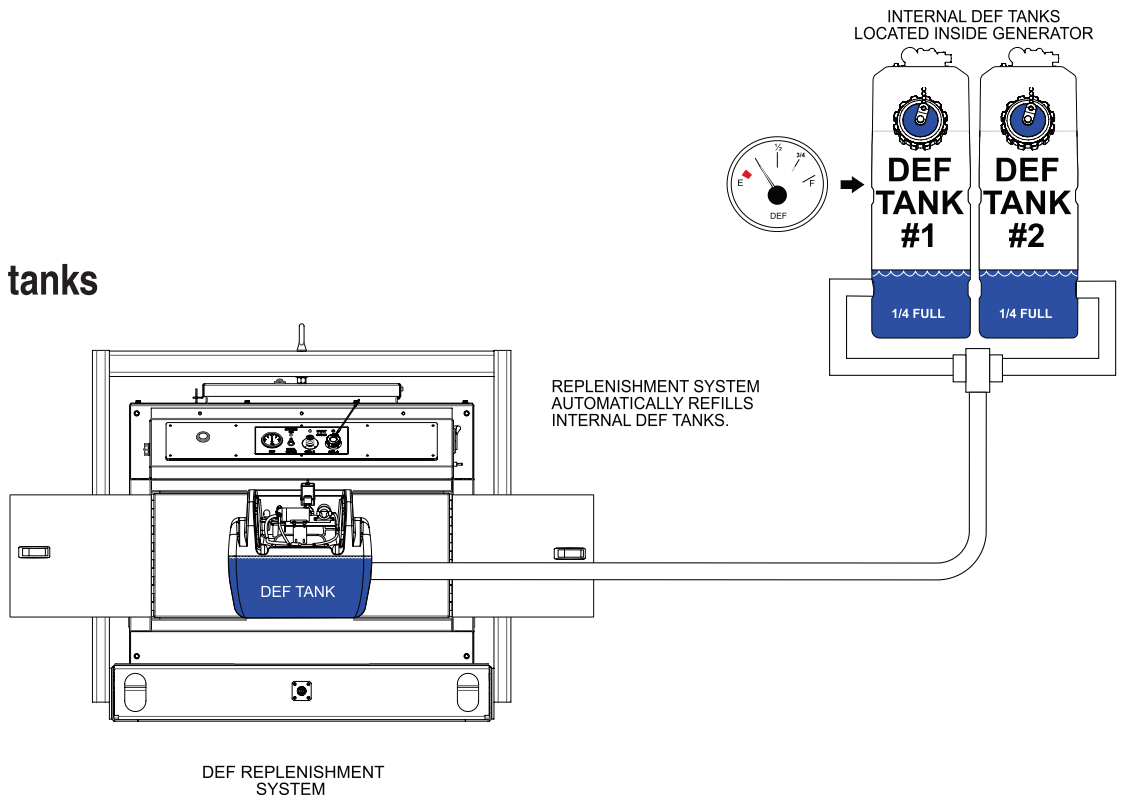
A

The MQ DEF replenishment system monitors load digitally, directly through the engine's communication protocol. It works with various engine manufacturers.

The system ensures that DEF is maintained at the proper level.

B

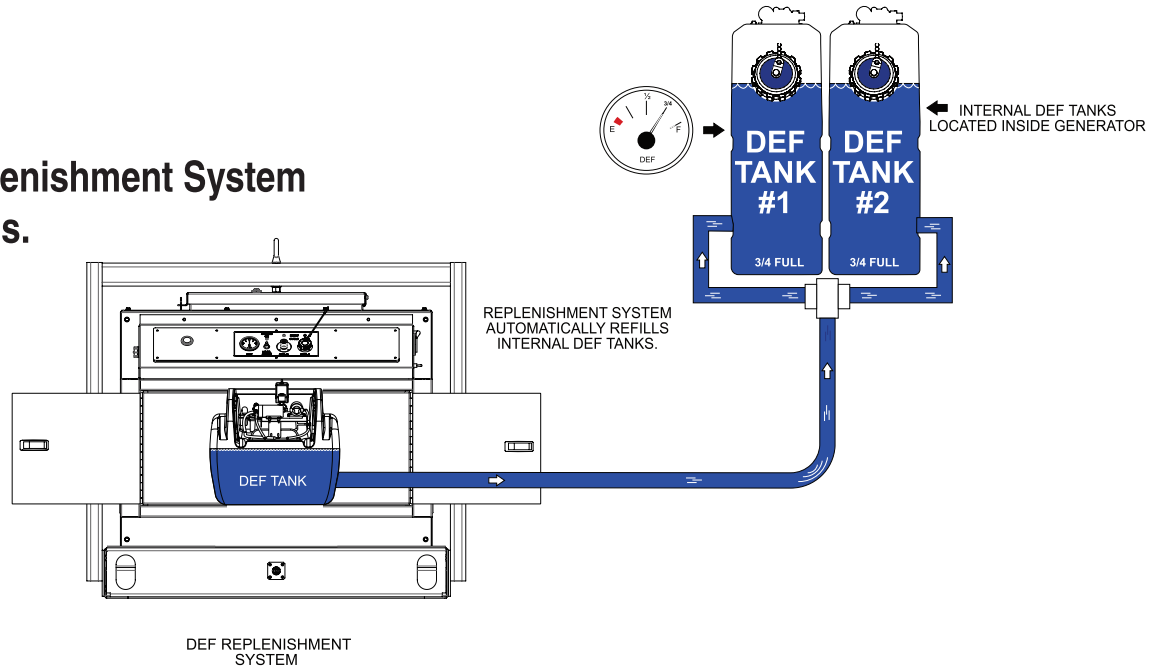
As the internal DEF tanks are depleted...



DEF Replenishment System: How It Works

C

The MQ DEF Replenishment System automatically refills.



D

After each fill cycle, the system purges the lines to keep the lines clear of DEF.

DEF can freeze, and purging the lines ensures uninterrupted operation.

