

# Operation: System 2000PLUS™ Sequence of Operation



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## Fuel Level Increasing

- Tank empty condition
- Pump "A" is pumping fuel from main tank into day tank.
- Pump "B" is pumping fuel from main tank into day tank (duplex system only).
- At 6% full, the low fuel engine shutdown alarm is deactivated, dry contacts resume normal condition.
- At 62% full, the low fuel alarm is deactivated, dry contacts resume normal condition.
- At 100% full, pump "A" stops.
- At 100% full, pump "B" stops (duplex system only).
- At 106% full, high fuel alarm is activated, dry contacts are activated.
- Fuel level continues to increase, critical high fuel level shutdown is activated, dry contacts are activated, fuel supply pumps shutdown.

## Fuel Level Decreasing

- Tank full condition
- Fuel level in tank decreases.
- At 87% full, pump "A" starts pumping fuel from main tank into day tank.
- At 75% full, pump "B" starts pumping fuel from main tank into day tank (duplex system only).
- At 62% full, the low fuel alarm is activated, dry contacts are actuated.
- At 6% full, the low fuel engine shutdown alarm is activated, dry contacts are actuated.

## Overfill/Tank Rupture Condition

- Fuel in rupture basin (basin is optional).
- Option #2930 fuel in basin float switch (optional) is activated, dry contacts are activated, fuel supply pumps shutdown.
- Option #3250 critical high alarm (optional), separate float switch activates high level alarm, dry contact activated, fuel supply pumps shutdown, can activate optional solenoid valve (2650).