CLAIMS

1. A gas turbine engine comprising:

a bearing compartment having at least one seal;

a bearing disposed in the bearing compartment;

a deoiler fluidly connected with the bearing compartment;

a vacuum generator fluidly connected with the deoiler;

an air supply system connected with the vacuum generator for providing air to operate the vacuum generator, the air supply system having two sources of the air; and

a controller in communication with the air supply system and configured to switch between the two sources of air,

wherein one of the two air sources is an auxiliary power unit.

2. The gas turbine engine as recited in claim 1, wherein the vacuum generator includes a venturi tube.

3. The gas turbine engine as recited in claim 1, wherein one of the two air sources is a compressor section.

4. The gas turbine engine as recited in claim 1, wherein the two air sources include a compressor section and an auxiliary power unit.

5. The gas turbine engine as recited in claim 4, wherein the air supply system includes a check valve disposed between the auxiliary power unit and the vacuum generator.

6. The gas turbine engine as recited in claim 5, wherein the air supply system includes a flow-control valve disposed between the compressor section and the vacuum generator.

7. The gas turbine engine as recited in claim 1, wherein the vacuum generator is vented overboard.

8. A gas turbine engine comprising:

a bearing compartment having at least one seal;

a bearing disposed in the bearing compartment;

a compressor section fluidly connected with the bearing compartment;

an oil source for providing oil to the bearing;

a deoiler fluidly connected with the bearing compartment;

a vacuum generator fluidly connected with the deoiler; and

an air supply system connected with the vacuum generator for providing air to operate the vacuum generator, the air supply system having a source of the air that is not the compressor section,

wherein the source of the air is an auxiliary power unit.

9. The gas turbine engine as recited in claim 8, wherein the vacuum generator includes a venturi tube.

10. The gas turbine engine as recited in claim 8, wherein the air supply system includes the compressor section as another source of the air.

11. The gas turbine engine as recited in claim 10, further comprising a controller in communication with the air supply system and configured to switch between the source of the air and the compressor section as another source of the air.

12. The gas turbine engine as recited in claim 8, wherein the air supply system includes a check valve disposed between the auxiliary power unit and the vacuum generator.

13. The gas turbine engine as recited in claim 12, wherein the air supply system includes a flow-control valve disposed between the compressor section and the vacuum generator.

14. The gas turbine engine as recited in claim 13, wherein the vacuum generator is vented overboard.