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that various changes and modifications can be made therein without departing from the scope of the invention as defined in the appended claims.

What is claimed is:

- 1. A modular lubrication system, comprising:
  - a mist generating chamber having a lubrication oil supply;
  - a oil mist generator mounted on said mist generating chamber and connected to said oil supply;
  - first coupling means for connecting said mist generating chamber to equipment to be lubricated to convey lubricating mist to the equipment;
  - second coupling means for connecting said mist generator to an air pressure source;
  - a filter, mounted adjacent said mist generating chamber, for separating air and oil;
  - third coupling means for connecting the equipment to the filter to convey lubricating mist from the equipment to said filter, said third coupling means including an ejector; and
  - a recycling conduit, adjacent said filter, for conveying oil separated from lubricating mist by said filter to said oil supply in said mist generating chamber.
- 2. A modular lubrication system according to claim 1 wherein said filter is a coalescent filter.
- 3. A modular lubrication system according to claim 1 wherein fourth coupling means connects said ejector to the air pressure source.
- 4. A modular lubrication system according to claim 3 wherein said filter is mounted in a demisting chamber.
- 5. A modular lubrication system according to claim 4 wherein said ejector is connected to an interior of said demisting chamber to generate a higher pressure in said demisting chamber exteriorly of said filter.
- 6. A modular lubrication system according to claim 5 wherein said demisting chamber is at a higher pressure than said mist generating chamber.
- 7. A modular lubrication system according to claim 6 wherein

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said filter comprises a condensation drain tube to convey oil condensed from lubrication mist into a recycle oil storage in said demisting chamber.

- 8. A modular lubrication system according to claim 4 wherein said demisting chamber comprises a recycle oil storage; and said recycling conduit couples said recycle oil storage to said oil supply in said mist generating chamber through a float valve in said mist generating chamber.
- 9. A modular lubrication system according to claim 8 wherein said ejector is connected to an interior chamber of said filter to cause mist returning from the equipment to pass through said filter.
- 10. A modular lubrication system according to claim 9 wherein said demisting chamber is at a lower pressure than said mist generating chamber; and a cycle conduit comprises a pneumatic pump.
- 11. A modular lubrication system according to claim 3 wherein said ejector is connected to an interior chamber of said filter to cause mist returning from the equipment to pass through said filter.
- 12. A modular lubrication system according to claim 11 wherein said recycle conduit directly connects said filter to said oil supply in said mist generating chamber.
- 13. A modular lubrication system according to claim 1 wherein said mist generating chamber comprises a window for viewing an oil level in said oil supply.
- 14. A modular lubrication system according to claim 1 wherein said ejector generates a reduced pressure in said third coupling means for aspirating excess oil mist and oil condensate from the equipment.
- 15. A modular lubrication system according to claim wherein said filter comprises a filter medium of about 0.1 to about 10 microns.

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