## Possible effects on a LFG system without the proper filtration During compression, these acids mix with the lube oil The gas contains chlorinated and can corrode bearings, corrode wrist pin bushings,

hydrocarbons, which are common and lead to the formation of HCl.

> Moisture in the gas can rust gas regulators and carburetor compo-

> nents and carries acid in solution.

Also during compression particulates can cause excessive wear on expensive equipment.

Compressor oil carryover additives contain excessive barium, calcium and others. They can also cause spark plug and combustion chamber composites, gas regulator fouling, cylinder varnishing, and piston ring sticking.



## THE Finite® SOLUTION

cylinder sleeves, pistons and

piston rings.

**inite**® Filter offers an array of filters sized to handle any landfill gas flow and several media choices to meet LFG application demands. Filter housings are constructed from carbon steel and stainless steel. Choices of filter media types include glass fiber for coalescing liquids, cellulose for particulate removal and activated carbon materials for oil vapor and hydrocarbon removal. Filter element ratings are available from 100 micron down to 0.01 micron.

Finite's new grade 7CVP pleated glass fiber media (0.5 micron, 99.5% efficiency) is ideal for lower pressure (blowers and compressor inlet) applications. The glass fiber for this media is saturated with fluorocarbon to minimize pressure drop.

Please see Finite's catalog 1300-400/USA for detailed filter housing and element specifications.

Please contact our technical assistance department should your application require special modifications.

## **Parker Hannifin Corporation**

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**Finite**