cc: C. L. Bradford
F. H. Langenfeld
T. L. Gossage

November 4, 1970

Merit Coil & Transformer Company
2040 Sherman Avenue
Hollywood, Florida

Attn: Chief Engineer

Dear Sir:

We noticed the following news item in the October 26, 1970 edition of "Electronics".

> "In a new approach to preventing color TV fire hazards, Matsushita Electric Industrial Co. has immersed a specially designed flyback transformer and a silicon rectifier stack in a sealed can filled with silicone oil. With a much higher breakdown voltage than air, silicone oil eliminates corona-caused deterioration of insulation and allows a dramatic reduction in size - volume is only one-fifth that of former designs. What's more, the sealed transformer-rectifier unit is only marginally more expensive than the standard components it replaces, say Matsushita. While it costs more than early flybacks, nonflammable material requirements in the latest conventional flybacks make prices almost equal. The silicone oil's evaporation point is above 300°C and when the temperature inside the can reaches 200°C, a solder seal on the can's bathtub-shaped top melts, allowing oil to expand into the top before pressure can build up."

We wonder if your company is considering a similar development. If so, we have the best fluid for this device and can provide technical assistance in its application.

Very truly yours,

R. A. Steenrod
Project Manager

ms

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