



LAMBDA PHYSIK

LASERTECHNIK

A SUBSIDIARY OF COHERENT, INC.

November 12, 1987

Dr. Andre Nussenweij
Department of Physics
217 Prospect Street
Yale University
New Haven, CT 06511

Dear Andre:

Thank you for your time on Tuesday, November 10. It was a pleasure meeting you and extremely interesting to see the laser laboratory. I have enclosed two new filters for your excimer laser. We recommend that you change or clean the filters whenever it accumulates a lot of dust in order to ensure that the laser remains clean. The accumulation of dust, for instance, on the capacitor banks can affect their operating conditions.

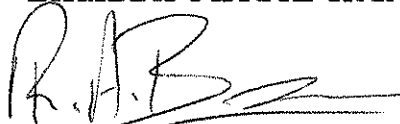
Additionally, I have discussed the build up of the green deposit on the window mounts with our service department. As I suspected, the deposit is a result of a leak in the system which results in a small amount of air entering the cavity whenever the system is evacuated. If the leak has been occurring for a long period of time (months) the source of the leak should be readily identifiable by the appearance of corrosion on the outside surfaces. One possibility which should be checked is the preionization pins. If the leakage is occurring in this area the pins should be tightened down by 1/8 turn. Any cracked pins should be replaced.

To ensure the continued performance of the laser I recommend that you investigate and solve the leakage problem as soon as possible. Should you require any assistance from our Service Department please call using the Lambda Physik '800' number (1-800-262-1100).

Once again, Andre, my thanks for your time. I look forward to visiting your laboratory again in the near future.

Sincerely,

LAMBDA PHYSIK INC.

A handwritten signature in black ink, appearing to read 'R.A. Beaman', with a long horizontal flourish extending to the right.

Roger A. Beaman, Ph.D.
Scientific Sales, New England

RAB:mmr