



ELEKTA

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RADIOACTIVE MATERIALS PROGRAM

January 10, 1995

Mr. Thomas E. Hill
Manager
Department of Natural Resources
Environmental Protection Division
Radioactive Materials Program
4244 International Parkway, Ste. 114
Atlanta, GA 30354

Dear Mr. Hill:

This letter serves as a follow up to our letter of November 1, 1994, regarding the operational incident with the Leksell Gamma Unit, Model 23016, at the University of Southern California.

The valve and evaluation report have been returned from the manufacturer. A copy of that evaluation report is enclosed herewith. As recommended by the manufacturer, Elekta Radiosurgery, Inc. will obtain a sample of the Unit's hydraulic oil during the next preventative maintenance service visit. This visit is currently scheduled for January 10, 1995. Should the oil show metallic contamination, the system will be drained, flushed and refilled with fresh hydraulic oil. Regardless of the sample results, a new filter will be installed as part of the normal preventative maintenance during the January visit.

Other than the abovementioned program, no further actions are contemplated for the Units, however, USC felt that an additional patient extraction tool would ease the task of loosening the machines trunnions from the patients' frame. In order to address that concern we have ordered an additional tool for all sites and will deliver those as soon as they become available.

Should you have any questions, please do not hesitate to contact our offices.

Regards,


Martin Knotts
Project Manager

Enclosure

cc: Catherine Gilmore
Richard Grome
Dana L. Bergstrom
Kim Wong

Elektä Instrument AB Servicedept.
S:t Larsgatan 8
582 24 Linköping

Place and date
Stockholm 1994. 11. 21.

Your ref.
Mr Ulf Pettersson

Our ref.
Mr Bo Granlund

ELEKTA EQUIPMENT IN USA

Dear Mr Pettersson,

Concerning the Rexroth hydraulic valve type 4WE6D5X/AG24NZ5L. Our order 287289.

This valve has been dismantled in our work shop and we would like to give you the following information about the damages.

We have found small metal contamination in the valve. It was found on the sides of the slide cams.

The valve housing shows of wear damages.

On the valve housing we have found marks, probably after a hammer.
A third party has mabye tried to get the function back. Using a hammer might loosen the slide.

We are convinced that the slide has binded in the valve due to the contamination mentioned.

We suggest that your customer takes an oil test to make sure that his hydraulic fluid is in a good order.

For coast reasons this valve is not worth repairing and if we do not receive any information from you within the next weeks we will scrapp this item week 49.

We hope that this information will be sufficient and if you have any more questions, please do not hesitate to ask us.

Best regards,

Bo Granlund Servicedept.

