

We subjected to the tests the 3 blades of Maraging steel foil (Ilühkr V 721 - VMR, W-NR. 1.6359) presented for annual periodic control and obtaining the label TRUSTS for the year 2004. Be blades did not carry the initials of the manufacturer but only your date of manufacture 03 04 and were engraved by Sultana] "1 to 3". They were subjected to the fatigue tests per buckling (- folding after shock to 100 mm). in accordance with regulations SF.M! and on figures 3. 4 and 5 of the description of the universal bench of tiredness 2489bis!03. point articulated in its support, by using the electropneumatic bench (50 hours on the whole). The maximum arrow of these blades was 225 mm to 348 mm (4.20 X 3.16 - 0.96 - -- 12.31 mm') of the point. All these blades had been controlled beforehand by eddy currents over a 510 mm length using a reel "blue" Sofranel of diameter 10 Misters with recording for each blade. They presented comparable signatures without loop characteristic of anomaly. I.es results obtained are as follows:

	Blade Numbers cycles before rupture (repeated shocks and foldings A a rate	Outdistance rupture in mm starting from the point	L mm	H	Section - mm'
1	46.172	228	3 95	x 2.70	= 9.70
2	40.908	222	3.85	x 2,59	= 9.01
3	87.442	338	4 06	x 2 93	= 10 93
			- 0.96 mm' rainure =		
Moyenne	58.174	262			

The examination of the breaks revealed that the breaks were clean. only the blade record of N°3 cycles broke in the zone of the maximum arrow the 3 blades presented s' being broken very beyond the number of 18.000 cycles imposed minimum and the average on the batch of the number of cycles before rupture being 32 X higher than this limit, the company Leon PAUL can be authorized to make use of label FIF for 2004. on the blades of foils in all points in conformity with those presented at periodic control.

Congratulations for the record result.

These blades were controlled with the radiameter, Geiger-Müller meter miniature to check that the gamma radiation was quite lower than the threshold of 20 pSv/h, that is to say 2 mRemrh. would be grateful to you to pronounce the homologation quickly these to let know at company PAIII.. With my thanks.