



































































































Conclusions

- Combined Fretting Wear and Fretting Fatigue analysis appears as pertinent approach to quantify the different stages of the fretting fatigue damages

- It is shown that applying a reverse analysis of Fretting Wear crack length data it is possible to determine the short crack propagation kinetics but the fretting fatigue cycles to crack nucleation

- By summing successively the cycles related to the crack nucleation, short crack propagation and long crack propagation, a good approximation of the total fretting-fatigue endurance is achieved

S. Fouvry et al., LTDS, SF2M, 29/03/2012

















