



LTB untighten screws issue

Pierre VALENTIN

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Context

- LTB smoothing under vacuum (week 30)
- Roll angle out of tolerance (up to -11mrad , i.e. $11000\% \times T$)
- Vertical adjustment screws **untighten**
- Concerned components:
 - QNO40
 - QNO50
 - **QNO60**
 - BPM30

i.e. at least
one out of two



Impact on SWY activities

TE-VSC

- Setting to atmospheric pressure (AP) + equipments vacuum disconnection
- Reconnection/pumping down

SURVEY

- Full prealignment @AP + smoothing campaign under vacuum
- 1 week of delay

COMPLETED

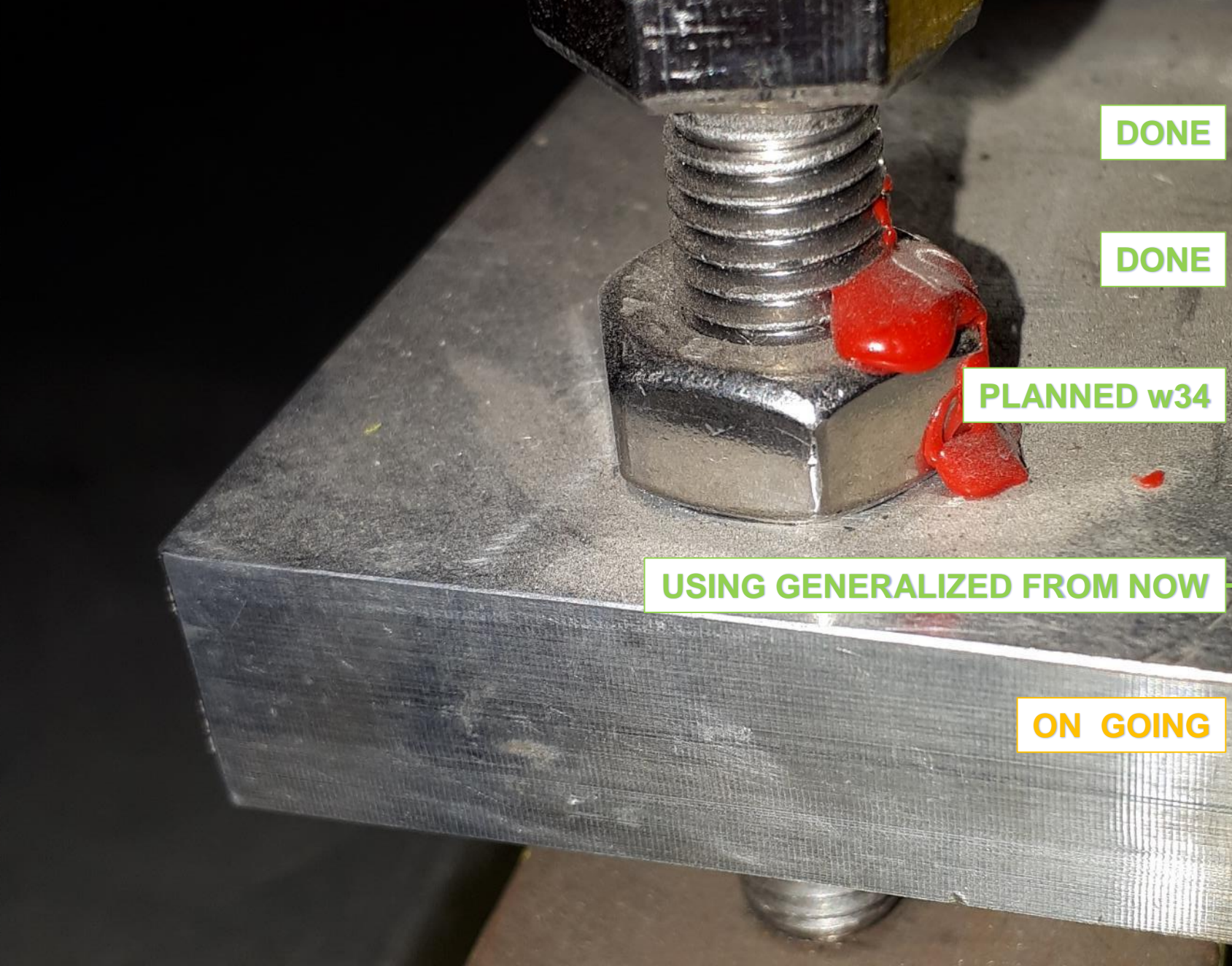


SURVEY workflow after (pre)alignment

- Strong tightening of adjustment and blocking screws
- Roll angle final measurement
- Filling out of the SURVEY sticker
- Office calculations
- Alignment notification to equipment's responsible, ACE-OSS, TE-VSC, etc.
- From now on, **sealing of adjustment systems**

NEVER touch a component with a **SURVEY** sticker

- Check the date of alignment
- Contact the SURVEY SL if needed



Preventive measures

- Collective reminder to PS complex workers
- Collective reminder to SURVEY staff & contractors
- PSB-TL inspection
- Sealing of adjustment systems
 - *Markal®* paint
 - Wax/Mechanical seals?
- Study for a new sticker
 - More explicit (warning message)
 - Adding a contact number
 - Bigger? More flashy?



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