

Fw: JENSA components maintenance schedule

Montes, Fernando

Fri 3/25/2022 7:33 AM

To: Setoodehnia, Kiana <setoodeh@frib.msu.edu>;

 1 attachments (13 KB)

jensa_maintenance_schedule.xlsx;

This is another list Kelly had prepared a while back.

Cheers,
Fernando

From: Kelly Chipps <kchipps@gmail.com>
Sent: Thursday, October 8, 2020 10:01 PM
To: Montes, Fernando
Cc: Schatz, Hendrik; Wagner, Louis
Subject: JENSA components maintenance schedule

[EXTERNAL] This email originated from outside of FRIB

Hey all -

I pulled together the suggested maintenance for all of the major JENSA components (see page 1 of attached spreadsheet). This is broken down by component.

On the second page, I tried to compile this into a list of maintenance items by time/interval to make it more helpful. In order to do this, I made some hand-waving estimations (eg that 3000 hours is roughly four months, etc). Keep in mind that the maintenance schedule assumes daily operation, so everything is extended by the fraction of time we're not running. I didn't put anything in there about cold start-up operations (for example, jogging the compressor), and strangely I didn't see anything in the turbo manual about running them periodically when they've been off for long periods. I'm not sure how we want to address that.

The only manual I have for the Shimadzu isn't helpful: it recommends "annual overhaul" but doesn't specify entirely what this entails, just that it needs to be done by Shimadzu. They do mention checking the touch-down bearings and the rotors, but as something they (not us) are supposed to do during this "annual overhaul."

I hope this list is helpful. Let me know if you need any of the individual manuals. I think they should all be available on the JENSA website (<https://jensa.ornl.gov/docs/>) - if not, let me know and I'll make sure they get uploaded.

Kelly

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"Quid faceret eruditio sine dilectione? Inflaret.
Quid, absque eruditione dilectio? Erraret."
~ St. Bernard of Clairvaux