



"Pettigrew, Christopher D."
<christopher.pettigrew@pw.ut
c.com>

08/22/2006 02:04 PM

To Antonio Cancelliere/ANE/FAA@FAA, "Maslak, Stuart S."
<stuart.maslak@pw.utc.com>
cc "Pettigrew, Christopher D."
<christopher.pettigrew@pw.utc.com>, "Taylor, William H.
(EH)" <william.taylor@pw.utc.com>, Eugene
Triozzi/ANE/FAA@FAA, Diane Cook/ANE/FAA@FAA

bcc

Subject RE: FW: Compliance wording of the 1st Hub anti-rotation slot
insp ection on AD

History:  This message has been replied to.

Antonio,
Thank you for contacting me regarding the compliance wording in the 1st hub
NPRM. I agree that if the AD simply states compliance per the SB the issue
will be resolved. I look forward to reviewing a draft copy of the AD, if
possible.

Relative to the marking change requested.
I have confirmed that P&W has modified the marking requirements already.
Electro-etch is now acceptable as a method per CIR 72-52-05 &-06, inspection
-01, which will now be consistent with the standard practices manual 585005.

The CIR section is the location that SB 72-282 references for marking
instructions. This change will appear in Rev 42 of the 112 inch CIR, P/N
51A750, planned for Oct 2006, for both the 1st and 2nd hubs. I have
attached preliminary copies from tech pubs below. See paragraph 5(a). This
should close the comment you have received.

Relative to the reporting requirement. The SB requires that when the one
time inspection is completed Page 11 is to be supplied to P&W. UAL states
that third party facilities perform these inspections and it is difficult to
get copies from them to provided to P&W. For a 3rd party facility, such as
EHRO, to comply with the SB, THEY are required to supply the report to P&W.
UAL does not have to supply these reports. UAL only has to supply the
reports for the hubs that they inspect themselves. From the 3rd party
facility the inspection will be documented in the 8130 documentation as
proof that the SB was complied with. EHRO currently sends me reports on all
disks they inspect.

I hope this helps. I am available if you have any other questions or
concerns.
Regards,

Chris Pettigrew
Pratt & Whitney
Customer Technical Service
112 Inch, PW4000 High Pressure Turbine
Ph: 860-565-5201; Fx: 860-755-2600
Mail Stop: 162-38; email: christopher.pettigrew@pw.utc.com

-----Original Message-----

From: Antonio.Cancelliere@faa.gov [mailto:Antonio.Cancelliere@faa.gov]
Sent: Tuesday, August 22, 2006 1:40 PM
To: Maslak, Stuart S.
Cc: Pettigrew, Christopher D.; Taylor, William H. (EH);
eugene.triozzi@faa.gov; diane.cook@faa.gov; Antonio.Cancelliere@faa.gov
Subject: Re: FW: Compliance wording of the 1st Hub anti-rotation slot

inspection on AD

Stu,

I reviewed the info below and I have the following comments :

I agree with Chris P. that the wording I used in the NPRM ("rear side of the front turbine hub") may generate some confusion/problems as far as the marking of the SB # required by the AD. I will do the changes in the "final rule" to duplicate as close as possible the intent of the SB. one Operator has requested an alternate method of marking of the turbine hub, i.e he is requested the "electrolytic etch" marking method to be allowed by the AD. This method is, I believe, an approved P&W method (SPOP 401). I would like to know whether PW has any adverse objections to the use of this alternate marking to be specified in the AD.

I will very much appreciate PW prompt feedback since I am in the process of issuing the "final rule".

Regards

Antonio

(Embedded image moved to file: pic20450.gif)

"Maslak, Stuart
S."

<stuart.maslak@pw
.utc.com>

08/15/2006 03:14
PM

Antonio Cancelliere/ANE/FAA@FAA

To

cc

"Taylor, William H. (EH)"
<william.taylor@pw.utc.com>,
"Pettigrew, Christopher D."
<christopher.pettigrew@pw.utc.com>

Subject

FW: Compliance wording of the 1st
Hub anti-rotation slot inspecti
on AD

For your review.

Stuart S. Maslak

FAA-DER for ALL PW4000s / Nacelles / Real Old Engines

"In God We Trust, All Others Bring Data"

Flight Safety, Certification & Airworthiness

Pratt & Whitney Aircraft (EB1-A10) Mail Stop 162-24

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> From: Pettigrew, Christopher D.
> Sent: Tuesday, August 15, 2006 12:17 PM
> To: Maslak, Stuart S.; Taylor, William H. (EH)
> Cc: Khandros, Natalya; Sandahl, Steven D.; Servadio, Michael A;
King,
> Anthony C.; Mattern, Robert A.
> Subject: Compliance wording of the 1st Hub anti-rotation slot
> inspection AD
>
> Stu,
> It has come to my attention that the FAA has made a small wording
> difference on the compliance of the above NPRM. It states the following:
>
> " You are responsible for having the actions required by this AD
performed
> at the next exposure of the rear side of the front turbine hub after the
> effective date of this AD, unless the actions have already been done."
>
> The issue is with the words "exposure of the rear side..." This is more
> conservative than our intent and the risk analysis. This would mean that
> any HPT that is destacked (1-2 seal removed) would have to have the slot
> inspected. It was P&W's intent that the inspection would be done at the
> same time the normal piece part visual inspection was performed. Not by
> itself. The SB simply was to capture the few disks that were removed
for
> HPT overhaul but were not sent to P&W EHRO.
>
> This in itself is not a huge problem except that the SB # is to be marked
> on the part. Marking is only allowed on the front side of the hub fir
> trees. To access this location the front retaining plate needs to be
> removed for access. So a simple repair shop visit now requires the side
> plate to be removed and other consumables replaced etc.
>
> Please discuss this with the FAA and determine if it was truly their
> intent to require the inspection at a different compliance than what P&W
> has specified. If so then P&W will have to determine if alternate
marking
> locations can be approved and revise the CIR manual.
>
> I am available to help with the discussions.
>
> Thanks,
>
> Chris Pettigrew
> Pratt & Whitney
> Customer Technical Service
> 112 Inch, PW4000 High Pressure Turbine
> Ph: 860-565-5201; Fx: 860-755-2600
> Mail Stop: 162-38; email: christopher.pettigrew@pw.utc.com
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