

AIRWORTHINESS DIRECTIVE

released by DIRECTION GENERALE DE L'AVIATION CIVILE

Inspection and/or modifications described below are mandatory. No person may operate a product to which this Airworthiness Directive applies except in accordance with the requirements of this Airworthiness Directive.

**Translation of 'Consigne de Navigabilité' ref. : 92-231-136(B) R2
In case of any difficulty, reference should be made to the French original issue.**

AIRBUS INDUSTRIE

A310 ; A300-600 Aircraft

Green hydraulic drain system inspection and engine accessory gearbox seal replacement at the green hydraulic pump pad

The present Airworthiness Directive applies to AIRBUS INDUSTRIE aircraft models :

- A310-221, A310-222, A310-322, A310-324, A310-325
- A300B4-620, A300B4-622, A300B4-622R, A300C4-620

fitted with PRATT & WHITNEY turbofan engines on which modification AIRBUS INDUSTRIE 10399 (Service Bulletin A310-72-2018 or A300-72-6014) or 10400 (Service Bulletin A310-72-2019 or A300-72-6015) has not been applied.

To prevent hydraulic fluid contamination of the engine oil system, as a result of the green hydraulic pump shaft seal failure and leakage of fluid into the engine accessory gearbox, which may lead to an engine shut down with the subsequent loss of the associated electrical circuit generator for non ETOPS aircraft, and of the standby generator for ETOPS configured aircraft, the following measures are hereby rendered mandatory, at the effective date of this Airworthiness Directive :

1/ To ensure that the green hydraulic pump drain system on both engines is not clogged proceed, at intervals not to exceed 500 flight hours starting from the effective date of the original issue of this Airworthiness Directive, with a flow check in accordance with the following AIRBUS INDUSTRIE Service Bulletin instructions :

- A310-72-2022 for A310 aircraft fitted with PRATT & WHITNEY engines JT9D-7R4D1 and JT9D-7R4E1.
- A310-72-2023 for A310 aircraft fitted with PRATT & WHITNEY engines PW 4152 and PW 4156A.
- A300-72-6018 for A300-600 aircraft fitted with PRATT & WHITNEY engines JT9D-7R4H1.
- A300-72-6019 for A300-600 aircraft fitted with PRATT & WHITNEY engines PW 4158.

2/ This flow check has to be repeated at intervals not exceeding 500 flight hours.

n/C

.../...

October 13, 1993

**AIRBUS INDUSTRIE
A310 ; A300-600 Aircraft**

92-231-136(B) R2

3/ On aircraft which are fitted with PRATT & WHITNEY turbofan engines JT9D-7R4D1, JT9D-7R4E1 or JT9D-7R4H1, on which AIRBUS INDUSTRIE modification 10399 has not been embodied, proceed with the incorporation on both engines with the spring loaded seal on the green hydraulic system accessory gearbox pad, in accordance with AIRBUS INDUSTRIE Service Bulletin A310-72-2018 or A300-72-6014 prior to the December 31, 1993.

4/ On aircraft which are fitted with PRATT & WHITNEY turbofan engines PW 4152, PW 4156A or PW 4158, on which AIRBUS INDUSTRIE modification 10400 has not been embodied, proceed with the incorporation on both engines with the spring loaded seal on the green hydraulic system accessory gearbox pad, in accordance with AIRBUS INDUSTRIE Service Bulletin A310-72-2019 or A300-72-6015 prior to the December 31, 1993.

NOTE 1 : ETOPS configured aircraft which have not received the modification as per paragraphs 3 or 4 above, (Mod. 10399 or 10400), must be modified within the next ten flights. However, if the replacement of spring loaded seals is scheduled immediately prior to ETOPS flights, it is recommended to accomplish this task only on one engine at a time.

NOTE 2 : Accomplishment of these Modification Service Bulletins cancels the inspection requirements as mentioned in paragraph 1 and 2.

Ref. : AIRBUS INDUSTRIE Service Bulletins
A310-72-2018
A310-72-2019
A310-72-2022
A310-72-2023
A300-72-6014
A300-72-6015
A300-72-6018
A300-72-6019

The present Revision 2 replaces the AD 92-231-136(B)R1 dated March 17, 1993.

EFFECTIVE DATES :

Original AD : **NOVEMBER 07, 1992**
Revision 1 : **MARCH 27, 1993**
Revision 2 : **OCTOBER 27, 1993**