

Occurrence Report

B7652

State reporting	Taiwan Island	Date entered	2009/2/11
Reporting org.	Taiwan (AIB)	Report last modified	2009/03/02 14:03
State file number	ASC-AOR-09-02-PR1	Report status	Open

Headline Uni Airways flight B7 652, a DASH-8-311 airplane, B-15239, engine fire during take-off at Magong Airport, Penghu, Taiwan

Occurrence class	Serious incident	Occurrence category	SCF-PP: powerplant failure or malfunction
Local date	2009/2/4 下午 04:34:00	UTC date	2009/2/4 上午 08:34:00
State/area of occurrence	Taiwan Island	Latitude of occ	23:34 North
Location of occ	Magong Airport	Longitude of occ	119:38 East

Aircrafts Involved

Manufacturer/model	DE HAVILLAND - DHC8-300	Aircraft registration	B-15239
Call sign	GLORY	Operator	Uni Air - (to be coded)
Flight phase	Take-off		



ASC-AOR-09-02-PR1

Serious incident in Magong Airport on 2009/2/4

TAIWAN ISLAND, ASC-AOR-09-02-PR1**Filing information**

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Classification

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Severity

Damage aircraft	Minor	Damage aerodrome	None
Third party damage	No	Injury level	None

Injury totals

	Fatal	Serious	Minor	None	Unknown	Total
Total on ground	0	0	0	0	0	0
Total on aircraft	0	0	1	53	0	54
Grand total	0	0	1	53	0	54

ATM relation

ATM contribution	None	Effect on ATM service	No effect
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NARRATIVE

* This is preliminary information, subject to change, and may contain errors. Any error in this report will be corrected when the final report has been completed. On February 4 2009, 1634 Taipei local time, UNI Airways Flight B7652, a DASH-8-300 aircraft, registration number B-15239, performed a scheduled passenger flight from MaKong airport to Tainan airport, Taiwan. There were 50 passengers, 2 flight crewmembers and 2 cabin crewmembers on board. The aircraft encountered no. 1 engine fire warning during the takeoff roll. The flight crew aborted the takeoff and stopped the aircraft on the runway. One passenger was minor injured. The engine damage includes no. 6&7 bearing oil supply lines broken, overheat mark at access panels, blades dent with debris and oil stain at LPT stage, 1st PT blades broken, 2nd PT blades broken. The Aviation Safety Council (ASC) is conducting the investigation in accordance with the Aviation Occurrence Investigation Act. Representatives from the Taiwan CAA, UNI Airways and TSB/Canada are supporting the investigation.

DE HAVILLAND - DHC8-300, B-15239**Aircraft identification**

Manufacturer/model	DE HAVILLAND - DHC8-300	State of registry	Taiwan Island
		Aircraft registration	B-15239
Year built	2001	Call sign	GLORY
Aircraft serial number	571	Flight number	B7 652



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Aircraft Operation

Operator	Uni Air - (to be coded)	Operation type	Commercial Air Transport - Scheduled revenue ops - Domestic
Operator type	Corporate/executive	ICAO information	

Aircraft description

Aircraft category	Fixed wing	Wake turb. category	
Propulsion type	Turboprop	Mass group	5 701 to 27 000 Kg
Number of engines	2	Maximum take-off mass	18642 kg
Landing gear type	Tricycle, retractable	GNSS installed	
EFIS	Yes, partial		

Aircraft status

Total cycles a/c	25453	Maintenance docs.	Current
Aircraft total time	14071 Hour(s)	Airworthiness cert.	Valid

Fuel

Fuel type used	Jet engine fuel - Jet A1 (F35 NATO)	Recommended fuel type	
Fuel quantity on board			

HISTORY OF FLIGHT

Itinerary

Last departure point	Taiwan-RCQC: Magong - (to be coded)	Flight phase	Take-off
		Duration of flight	0 Hour(s)
Planned destination	Taiwan-RCNN: Tainan - (to be coded)	Occ. on ground	Yes

Speed and altitude at first event

Speed (1st event)	160 km/h	True airspeed	
Type of speed	Indicated airspeed		

Person at controls

Person at controls	Pilot-in-command
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INJURIES

Injuries

	Fatal	Serious	Minor	None	Unknown	Total
Pilot	0	0	0	1	0	1
Co-pilot	0	0	0	1	0	1
Cabin crew	0	0	0	2	0	2
Other flight crew	0	0	0	0	0	0
Crew Total	0	0	0	4	0	4
Passengers	0	0	1	49	0	50
Other on Aircraft	0	0	0	0	0	0
Unknown	0	0	0	0	0	0
Total	0	0	1	53	0	54

**Injury types**

	Fatal injuries	Non-fatal injuries	Unknown
Burns	0	0	0
Drowning	0		0
Fumes/gases	0	0	0
Impact	0	0	0
Shock exposure	0	0	0
Other reasons	0	0	0
Unknown	0	0	0

Autopsy

Persons autopsied	None
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AIRCRAFT RECORDINGS**Cockpit voice recorder**

CVR location	Rear fuselage	CVR recovery	Recovered
CVR Recording medium	Solid state	Underwater locator (CVR)	
Number of channels	4	CVR Reason for data loss	
CVR Recording duration	30 Minute(s)	CVR Recording quality	Good
Hot microphone	yes		

Flight data recorder

FDR location	Rear fuselage	FDR recovery	Recovered
FDR Recording medium	Solid state	Underwater locator (FDR)	
Number of parms	107	Reason for data loss	
FDR Recorder type	Digital FDR	FDR data recovery	Completely recovered
		FDR Data usefulness	Useful

FLIGHT CREW**PILOT-IN-COMMAND****Flight crew member**

Age		Category	Pilot-in-command
Gender - Crew Member	Male		

CO-PILOT**Flight crew member**

Age		Category	Co-pilot
Gender - Crew Member	Male		

Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type			
All types			5128 Hour(s)



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AERODROME

Aerodrome identification

Aerodrome type	Land	Aerodrome latitude	23:34 North
Location indicator	Taiwan-RCQC:Magong - (to be coded)	Aerodrome longitude	119:38 East
Aerodrome status	Military airstrip, public	Elevation above MSL	20 m

MANAGEMENT

Occurrence report

Report identification	B7652	Report last modified	2009/03/02 14:03
Report moderator		Report status	Open
Report source	Accident/Incident investigation	Reporting form type	ICAO - Final Report
Date report created	2009/02/11 11:53		

Database history

Database access date	Database access by	Database access type
2009/02/11 12:07	STEVEN [STEVENSU]	Inserted
2009/02/11 12:07	STEVEN [STEVENSU]	Locked
2009/02/11 15:38	STEVEN [STEVENSU]	Updated
2009/02/11 15:39	STEVEN [STEVENSU]	Updated
2009/02/11 15:49	STEVEN [STEVENSU]	Updated
2009/02/23 09:46	STEVEN [STEVENSU]	Updated
2009/02/23 09:54	STEVEN [STEVENSU]	Updated
2009/02/23 09:55	STEVEN [STEVENSU]	Updated
2009/03/02 14:05	STEVEN [STEVENSU]	Updated
2009/03/02 14:06	STEVEN [STEVENSU]	Updated
2009/03/02 14:08	STEVEN [STEVENSU]	Updated

Modifications

Modification date	Modification made by	Modification note
2009/02/11 11:53	STEVEN	
2009/02/11 12:04	STEVEN	
2009/02/11 15:22	STEVEN	
2009/02/11 15:35	STEVEN	
2009/02/11 15:37	STEVEN	
2009/02/23 09:40	STEVEN	
2009/02/23 09:50	STEVEN	
2009/02/23 09:52	STEVEN	
2009/03/02 13:55	STEVEN	
2009/03/02 14:03	STEVEN	
2009/03/02 14:03	STEVEN	