

Occurrence Report

B7652

State reporting	Taiwan Island	Date entered	2011/9/5
Reporting org.	Taiwan (ASC)	Report last modified	2014/7/9 PM 04:36:52
State file number	ASC-AOR-10-08-001	Report status	Data

Headline Engine Fire Warning during Takeoff from Magong airport, UNI Air B7652, B-15239, Dash-8-300

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

Aircraft Involved

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

TAIWAN ISLAND, ASC-AOR-10-08-001**Filing information**

Headline	Engine Fire Warning during Takeoff from Magong airport, UNI Air B7652, B-15239, Dash-8-300		
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When

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Where

State/area of occurrence	Taiwan Island	Latitude of occ	23:34 North
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Classification

Occurrence class	Serious incident	Occurrence category	SCF-PP: powerplant failure or malfunction
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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 (ENGLISH)

On February 23, 2008, at 1307 Bangkok local time, EVA Airways Flight BR67, a Boeing 747-400 aircraft, registration B-16410, landed at Bangkok. The aircraft was on block at 1307. At about 1310, during passengers disembarking, passengers at rear noticed smoke came out of the sidewall of 64A/65A seats. The smoke was suppressed by the fire extinguisher after APU power removal, no injury was reported. During the initial investigation, it was noticed that a stand-off of an APU generator power feed cable was failed in the left waste tank compartment. The cable was burn-out due to chafe with a nearby bolt and the lower insulation blanket was burnt.

EVENTS**Turbine engine - mechanical failure , during Take-off run. {Occurrence}**

Turbine assembly blade : Fatigue fracture

Aircraft manufacturing design staff., Maintenance engineering material : Manufacturing/production issue

Turbine assembly blade : Broke

Application of aircraft maintenance procedures : Inadequate

Aircraft manufacturing company., Human interface-maintenance procedures : Insufficient

EVENTS

Fire - Powerplant , during Take-off run. {Occurrence}
 Low speed rejected take-off (below V1) , during Take-off run. {Occurrence}
 Evacuation , during Aborted take-off. {Occurrence}

WEATHER**General weather conditions**

Weather conditions		Light conditions
Weather relevant	No	Wind speed
Speed measured at		Visibility

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

Manufacturer/model	DE HAVILLAND - DHC8-300	State of registry	Taiwan Island
Year built	2001	Aircraft registration	B-15239
Aircraft serial number	571	Call sign	GLORY
		Flight number	B7652

Aircraft Operation

Operator	Taiwan - Uni Air - (to be coded)	Operation type	Commercial Air Transport - Scheduled revenue ops - Domestic - Passenger
Operator type		ICAO information	

Aircraft description

Aircraft category	Fixed wing	Wake turb. category	Medium
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	Turbine engine fuel - Jet A-1 (F35 NATO)	Recommended fuel type
Fuel quantity on board		

FAILURES**Engine information**

	Engine model	Time since overhaul	Engine cycles
	PRATT & WHITNEY (CANADA) - PW100 FAMILY	11819 Hour(s)	21348
	PRATT & WHITNEY (CANADA) - PW100 FAMILY	22579 Hour(s)	43296

HISTORY OF FLIGHT**Itinerary**

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

Speed and altitude at first event

Speed (first event)	86.393 kt	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	None/not applicable
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 parameters	120	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	46 Year(s)	Category	Pilot-in-command
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	1.75 Hour(s)	Rest before duty	34 Hour(s)
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type			11914 Hour(s)
All types		186 Hour(s)	13751 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Aeroplane pilot - Airline transport pilot	Held required rating	Valid, no waivers	Yes		

CO-PILOT**Flight crew member**

Age	53 Year(s)	Category	Co-pilot
Gender - Crew Member	Male		

Flight crew rest/duty

Duty last 24 hours	1.75 Hour(s)	Rest before duty	17 Hour(s)
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Flight crew experience

	Last 24 hours	Last 90 days	Total
This Aircraft type			5157 Hour(s)
All types		164 Hour(s)	14610 Hour(s)

Flight crew licences

License type	Ratings	Validity	Registry State issued	Instructor rating	Instrument rating
Aeroplane pilot - Airline transport pilot	Held required rating	Valid, no waivers	Yes		

AERODROME**Aerodrome identification**

Aerodrome type	Land	Aerodrome latitude	23:34 North
Location indicator	Taiwan - RCQC (MZG): Magong Airport - (to be coded)	Aerodrome longitude	119:38 East
Aerodrome status	Military airstrip, public	Elevation above MSL	65.617 ft

MANAGEMENT**Occurrence report**

Report identification	B7652	Report last modified	2014/7/9 PM 04:36:52
Report moderator		Report status	Data
Report source	Accident/Incident investigation	Reporting form type	ICAO - Final Report
Date report created	2011/9/5 AM 11:04:08		