

Aviation Safety Bulletin

ASB No: 91-022/O

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Subject :

An airlines' A/C left landing gear hit the runway end lights during take off, causing left engine lower front cowling and engine oil pipelines damage resulting in an engine in-flight shut down incident.

Background :

- 1、 When airlines' A/C cleared for take off from Makung tower, and entered the runway 20 from exit 2, it turned to the left facing to the south for take-off operation without using whole runway available. 18 minutes after take off, the left engine oil pressure abnormal indication was detected and dropped to zero before long. Consequently the flight crew conducted an engine in-flight shut down and landed safely afterward.
- 2、 The investigation revealed that primarily the Captain failed to check the runway analysis table and mistakenly chose a shorter runway for take off. At the same time the co-pilot also failed to remind the Captain of the runway construction work, causing A/C left landing gear hit the runway end lighting fixture. It brought up FOD and damaged left engine front cowling and engine oil pipelines, resulting in an engine in-flight shut down.

Recommendation:

- 1、 Flight crew should follow runway analysis for take off and landing operations .
- 2、 Co-pilot/PNF also plays the role as a procedural monitor in operations, therefore, any anomalies and mistakes observed in operations must be pointed out to comply with CRM.