

Inspector Statement

Inspector Rodwin L McLaughlin investigated aircraft accident of Cessna R182, N182DW on Tuesday August 22, 2017. The accident happened at Booneville, MO on August 20, 2017 at approximately 13:05 central Standard Time. The aircraft was piloted by Dale Jones with one passenger on board. The pilot reported that on landing on runway 18 he applied light braking to slow the aircraft down. The left brake locked, veering the aircraft to the left off the runway and coming to a stop after running into a drainage area on the east side of the runway. Investigation into the accident, the tire marks on the runway showed both main tires leaving marks from side loading of the main tires in a left arcing turn off the runway. The left tire did not have any flat spots from the tire being locked. Further investigation found the left brake master cylinder was full of hydraulic fluid. The master cylinder was not leaking. When pressure was applied to the brake pedal, the brake was activated and when released the wheel rotated. The master cylinder was not cracked or damaged in any way. The left brake caliper was in good condition and not leaking. The brake pads were in good condition. The left brake disc was in good condition and the caliper floating pins were not worn and there was not any abnormal free play that might cause misalignment of the brake pads that could cause the brake to lock. The parking brake system operated normally. The rudder system was rigged correctly and operational thru full travel ranges. The nose wheel shimmy dampener was checked for damage and found to be operational with no abnormalities. I could not substantiate or duplicate the report of the left brake locking.



Rodwin L McLaughlin

Aviation Safety Inspector

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