



Sport Aviation Corp Ltd

Microlight Aircraft Defect Report

Reporter's Name:

Address:

Nose wheel fork plate failure

Aircraft Registratio

Microlight Type: TECNAM Model: P92ES

Total Time in Service: - Airframe: Hours Engine: Hours

Hours Since last Inspection: Report date:

Reporter:	<input checked="" type="checkbox"/> Operator	<input type="checkbox"/> Owner	<input type="checkbox"/> Inspector	<input type="checkbox"/> Safety Officer	<input type="checkbox"/> Other	<div style="border: 1px solid black; padding: 2px; display: inline-block;">Circle One</div>
Defect Type:	<input checked="" type="checkbox"/> Airframe	<input type="checkbox"/> Engine	<input type="checkbox"/> Instruments	<input checked="" type="checkbox"/> Other		
Location if Airframe:	<input type="checkbox"/> Fuselage	<input type="checkbox"/> Wings	<input type="checkbox"/> Tail	<input type="checkbox"/> Other		
Discovered During:	<input type="checkbox"/> Preflight	<input type="checkbox"/> Inspection	<input type="checkbox"/> Maintenance	<input type="checkbox"/> Flight	<input checked="" type="checkbox"/> Other	

Describe the defect in detail (attach photos and additional info as required): After landing the aircraft was taxied to the end of runway 07 to turn round and backtrack. During the turn round, the aircraft turning radius started to increase, the nose suddenly dropped and the propeller struck the tarmac at about 3/4 of the way through the turn. Aircraft shut down. Initial damage appeared to be a collapsed nose leg, that had folded on itself during the tumand and damaged the propeller.

Describe the effects (if any) of the defect on airworthiness: Fatiuge on Nose leg Fork Plate LH resulted in failure of the fork plate during LH turn, whilst taxing. Fatiuge cracks were also visible on the Fork Plate RH after bending from the collapseof the nose gear. was rendered Not Airworthy)
Propeller strike resulted in destruction of the propeller and damage to the engine requiring rebuild/replacement of the engine.
During Maintenance Revue, it was found that the engine mount was cracked, and the engine crankshaft run-out was out of tolerance, The gearbox was undamaged.

Describe remedial action taken and by whom: was wiitten of by Insurance Co, but is now undergoing a rebuild.

THE SAC TECHNICAL OFFICER ONLY - has assessed the above defect, approved remedial action and described below the outcome details for publication. (Add additional info as required)

The TECNAM P92ES Nose Fork Plate LH fractured completly in the LH turn, RH Fork Plate was also found to be cracked on inspection.TTIS & fatigue plus runway conditions could have all contributed to this incident. The fitting of the new heavy duty side Fork plates would be a exceleat fix, together with diligent and thorough inspections and adherence to the Manufactures recommended timed maintenance schedule is critical.

Signed: SAC Technical Officer: [Signature] Date: 25 11 2015

SAC OFFICE USE ONLY:
 Actioned by: [Signature] Signed: [Signature] Date: 28 11 2015