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**SERVICE
LETTER**

**Service Letter No. L 71, Rev. 1
August 18, 2011**

TO: Sault College Aviation Technology

MODELS AFFECTED: Z 242 L aircraft
S/N: 0679, 0681, 0682, 0683, 0684, 0685, 0742, 0744, 0745, 0746

SUBJECT: Nose landing gear operation limit

According to actual:

- kind of operation,
- number of landings,
- AMU 1 data analyses,

we determine as follows:

793-HPK-185-19 nose landing gear safe life time limit of above stated aircraft fleet is increased up to 30 000 landings on condition that:

- 1) Each 793-HPK-185-19 nose landing gear will be sent to AXL, Inc. to perform an overhaul at 15 000 landings or immediately in case that this limit has been already exceeded.
- 2) Regular AMU 1 data sending to Safe Life Department of ZLIN AIRCRAFT a.s. will continue.
- 3) Kind of operation will not be changed.
- 4) Operation and maintenance of the 793-HPK-185-19 nose landing gear shall be performed according to the On-condition maintenance and operation Manual of nose landing gear Type 793-HPK-185-19, 793-HPK-185-19-7.
- 5) Records from inspections performed according to the On-condition maintenance and operation Manual of nose landing gear Type 793-HPK-185-19, 793-HPK-185-19-7 will be sent after each provided inspection to Safe Life Department of ZLIN AIRCRAFT a.s. for monitoring and evaluation. Safe Life Department of ZLIN AIRCRAFT a.s. will be immediately informed about any unrepairable failure.
- 6) An evaluation of aircraft operation and inspection records will be performed by AXL, Inc. and ZLIN AIRCRAFT a.s. at 20 000 landings and 25 000 landings reached on each aircraft of the fleet. These evaluations will be consulted with Czech CAA. Nose landing gear operation will continue up to final limit of 30 000 landings, if no other decision based on evaluations will arise.

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- 7) An inspection after 500 hours TIS or maximum 2000 landings and measurement of wheel axis deformation according to On-condition maintenance and operation Manual of nose landing gear Type 793-HPK-185-19, 793-HPK-185-19-7 (Chapters 7.1.4 and 2.) shall be performed immediately in case of hard landing.
- 8) First 793-HPK-185-19 nose landing gear which reaches 25 000 landings will be sent to AXL, Inc. to detailed inspection and its safe life time will be ended.
- 9) First two landing gears and, if need be, another most damaged landing gears which reach safe life time limit of 30 000 hours TIS will be sent to AXL, Inc. to detailed inspections and for evaluation of an operation with increased safe life.
- 10) All landing gears shall be operated during their complete safe life time at Sault College Aviation Technology under conditions for Z 242 L aircraft operation stated in the Report No. Z242L-0554 (see Service Letter No. L 67 for Sault College Aviation Technology).
All landing gears shall be operated during their complete safe life time on hardened airfield surfaces.

Notice: Stated limits are valid for numbers of landings registered by AMU 1 or calculated on the basis of regular AMU 1 data evaluations.



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Chief Designer

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