



# SERVICE BULLETIN

**MANDATORY**

ISSUED:	March 14 <sup>th</sup> 2020	M.S.B.	20-03/02
REV:	Original	PAGE:	1 of 1

**1.) PURPOSE.** To announce possible incorrect high temperature operation.

**2.) BACKGROUND.** ACE supplied distributors or customers with kits or fully assembled engines consisting of AX40 or AX50 air cooled cylinder kits, w/ includes cylinder unit, connecting rod, piston, piston pin and piston rings consisting of top ring, second ring and three piece oil control ring. The absolute maximum operating temperature of these cylinders is 430 deg F. The standard operating temperature range is 370~390 deg F.

**3.) TIME OF COMPLIANCE.** If any engine is fitted with either AX40 or AX50 cylinders, all serial numbers and therefore is identified with this Mandatory Service Bulletin, before next flight:

3.1 If the engine has been run at 430 deg F for less than 15 minutes of operation. Then a visual check for cracks between cylinder fins 11 through to 13 must be conducted. Any cracks, no matter how small will require the cylinder to be removed from service.

3.2 If the cylinders have been run at temperatures past 430 deg F for an accumulative time of 30 mins or more, then the cylinder MUST be removed from service.

**4.) MODELS AFFECTED.** All AX40 and AX50 cylinders. Note\* These products are no longer in production.

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