

Date: November 09, 2021

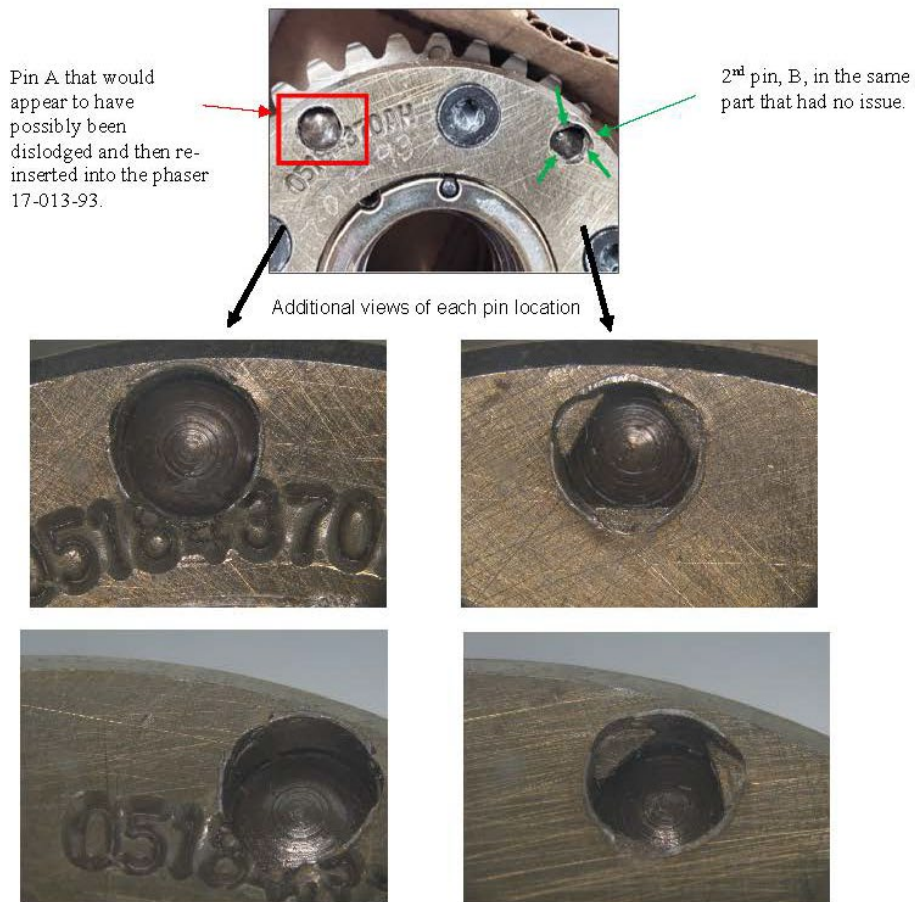
To: ASTM Testing Laboratories

From: Jason Bowden / OH Technologies, Inc.

Re: OHT Technical Memo 04
OHT3H-001-1 LOCATING PIN, PHASER, INTAKE

Cc: Mr. Rich Grundza/ Test Monitoring Center
Mr. Robert Stockwell / Seq. III Surveillance Panel Chair

This Technical Memo is intended to notify users of the ASTM Seq. IIIH Testing Method that OHT was notified by a laboratory that an intake fixed phaser (OHT P/N OHT3H-001-1) had a locating pin come loose during engine operation. The phaser in question was an earlier batch and was being run on a third engine test cycle. OHT sent the damaged phaser in question to the manufacturer for inspection. After inspection, the manufacturer provided the following observations: The loose pin hole location may have been partially staked and/or the stake was approximately 0.35mm less than the stake features of the adjacent hole. The same tool would have been used to form both stakes. Other than vibration, there should not have been any other axial forces on the pin to cause it to dislodge. As returned, it would appear that insufficient stake depth would have been the cause for the suspect pin to become dislodged.



OHT has inspected our inventory of the most recent Batch Code 5 phasers and have determined

that all phasers' locating pins have been staked. We recommend that labs inspect the pins and stakes during engine assembly. We also recommend that if labs will be disassembling, rebuilding and reusing fixed phasers for multiple tests, that the pins and stakes be inspected between each test.

If there are any questions or comments regarding the aforementioned item, please do not hesitate to contact me.

Best regards,

Jason H. Bowden
OH Technologies, Inc.