

RESULTS SUMMARY: PICUS ASSESSMENT

Harbour Tree Care

Bosworth Close, Hinckley

September 2025

1.0 INTRODUCTION

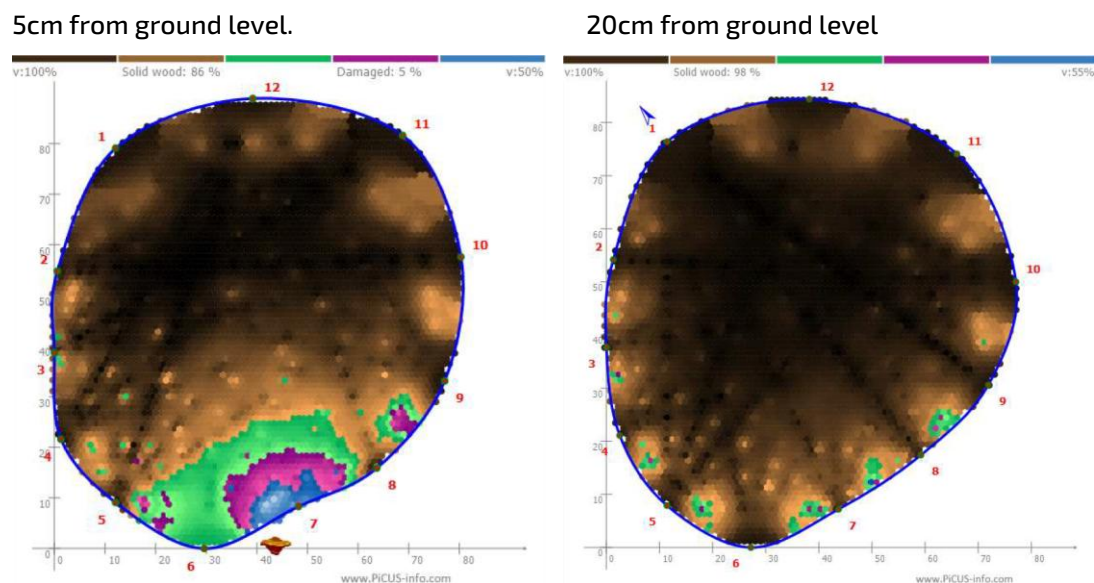
- 1.1 This summary has been prepared to provide an overview of the results of an advanced decay detection assessment namely PiCUS® Tomogram, carried out on a single English oak tree.
- 1.2 The Picus® sonic tomograph uses the relative velocity of sound waves induced across the stem. Sound travels more efficiently through sound wood rather than wood damaged by decay. Information is collected using sonic sensors positioned at multiple measuring points to compose a colour-shift image. Dark brown areas correspond to higher relative velocities and, hence, denser wood. Decay and hollowing results in reduced velocities and a shift to lighter colours (with maroon and blue/white indicating more significant decay).

Limitations

- 1.3 Tomography is only appropriate above ground level and as such, cannot show any decay or issues within the root system. Any tests, interpretation and recommendations are based on test levels and factors observed on the day.
- 1.4 Trees are dynamic living organisms, whose health and condition can be subject to rapid changes, depending upon both internal and external factors. Evaluation of tree condition given, applies to the date of survey and cannot be assumed to remain unchanged.

Results

- 1.5 The Picus® sonic tomograph assessment was carried out on 24th September 2025.
- 1.6 12 measuring points (MP) were assigned to the stem of T1 at a height of 5cm and 20cm above ground level with MP1 positioned due north. The tomograms are shown below.



- 1.7 The results of the tomograph at 5cm show the early stages of an area of hollowing coloured blue surrounded by degraded wood illustrated by the purple and green areas. This coincides with the location of degraded fruiting bodies of *Pseudoninotus dryadeus* or Eiffel Tower bracket.

Photographs



- 1.8 The results of the tomograph at 20cm show no progression of hollowing at this stage with solid wood illustrated by the brown colour throughout.

Photographs



FPCR Environment and Design Ltd

Registered Office: Lockington Hall, Lockington, Derby DE74 2RH
Company No. 07128076. [T] 01509 672772 [E] mail@fpcr.co.uk [W] www.fpcr.co.uk

This report is the property of FPCR Environment and Design Ltd and is issued on the condition it is not reproduced, retained or disclosed to any unauthorised person, either wholly or in part without the written consent of FPCR Environment and Design Ltd. Ordnance Survey material is used with permission of The Controller of HMSO, Crown copyright 100019980.