

ANTAM Study Tour for Accreditation of Testing Stations

1-2 March 2025, National Agricultural Machinery Center, Faculty of Engineering
at Kamphaeng Saen, Kasetsart University Kamphaeng Saen Campus, Thailand



CSAM
Centre for Sustainable
Agricultural Mechanization



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Background

- **ANTAM aims to harmonize agricultural machinery testing standards across the Asia–Pacific region.**
- **Development of the ANTAM Quality Manual and accreditation requirements ensures consistent, reliable testing results.**
- **The Study Tour was organized to strengthen testing capacity and prepare candidate stations for accreditation.**

Objectives

- Provide training on ANTAM accreditation procedures and the Quality Manual.
- Clarify legislative, regulatory, and technical implications of applying ANTAM Codes.
- Assess the readiness of testing stations in terms of technical and administrative capacity.
- Promote knowledge-sharing and experience exchange among participating countries.



Participants and Training Approach

Participants

- 21 delegates from 11 countries.
- Included engineers, testing specialists, government officials, national focal points, and ANTAM experts.
- Gender distribution: 17 male, 4 female.



Training Methodology

- Conducted onsite at NAMC, Kasetsart University, Kamphaeng Saen Campus.
- Activities included presentations, group discussions, hands-on demonstrations, and collaborative learning.
- Training followed ANTAM Codes and procedures, with demonstrations using actual testing equipment.



Highlights of Day 1 (1 March 2025)

Key Activities

- Introduction to ANTAM accreditation procedures and the Quality Manual.
- Presentation on the history of NAMC and Thai agricultural machinery standards (TIS 1350-2539).
- Guided tour of NAMC testing facilities and staff introduction.

Practical Demonstrations

1. Engine Performance Test
2. Drawbar Performance Test
3. Waterproof Test



1. Engine Performance Test

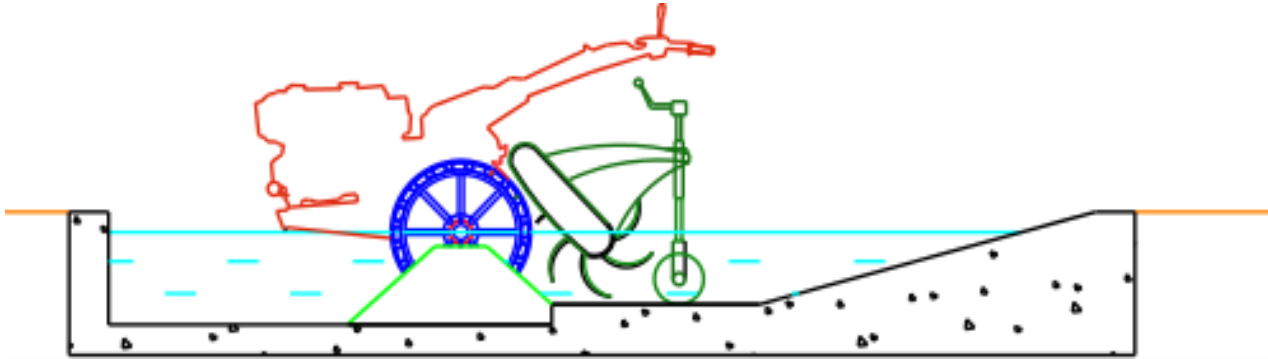


The Standardization Testing Laboratory: Engine Test Bed, including a testing room equipped with measurement instruments for various parameters, and a control room designed for conducting engine tests on engines with a power output of less than 60 horsepower. This laboratory located in testing laboratory of NAMC.

2. Drawbar Performance Test



3. Waterproof Test



Highlights of Day 2 (2 March 2025)

Key Activities

- Round of discussions on testing and management issues identified
- Brainstorming solutions for any technical issues encountered
- Reflections on any administrative and legislative issues



Summary and Key Takeaways

Overall Results

- Participants gained a clear understanding of ANTAM accreditation procedures and the Quality Manual.
- Practical testing demonstrations enhanced technical competence in engine testing, drawbar performance, and waterproof procedures.
- The Study Tour fostered meaningful knowledge exchange among participating countries.
- Strengthened regional collaboration and commitment to improving agricultural machinery testing quality and harmonization.
- Established a strong foundation for future accreditation of testing stations under the ANTAM framework.



KU Readiness for ANTAM Accreditation (Power Tiller)

Kasetsart University (KU) – National Agricultural Machinery Center (NAMC) Readiness to Apply for Accreditation of Testing Stations for ANTAM Power Tiller Standard

Institutional Readiness

- Fully equipped testing laboratories for Power Tiller testing.
- Testing equipment meets international standards and aligns with ANTAM Codes.
- Experienced engineering team with solid understanding of Thai Industrial Standards (TISI) related to agricultural machinery.

Technical Expertise

- KU engineers have previously served as assistant trainers during **the Sixth Training of Trainers of ANTAM 4–8 September 2023, Kasetsart University, Kamphaeng Saen Campus, Thailand.**
- Hands-on experience conducting Power Tiller tests following ANTAM procedures in past ANTAM activities and study tours.

The Sixth Training of Trainers of ANTAM

4–8 September 2023, Kasetsart University, Kamphaeng Saen Campus, Thailand.



Next Steps and Commitment Toward ANTAM Accreditation

Kasetsart University (KU) – National Agricultural Machinery Center (NAMC) Readiness to Apply for Accreditation of Testing Stations for ANTAM Power Tiller Standard

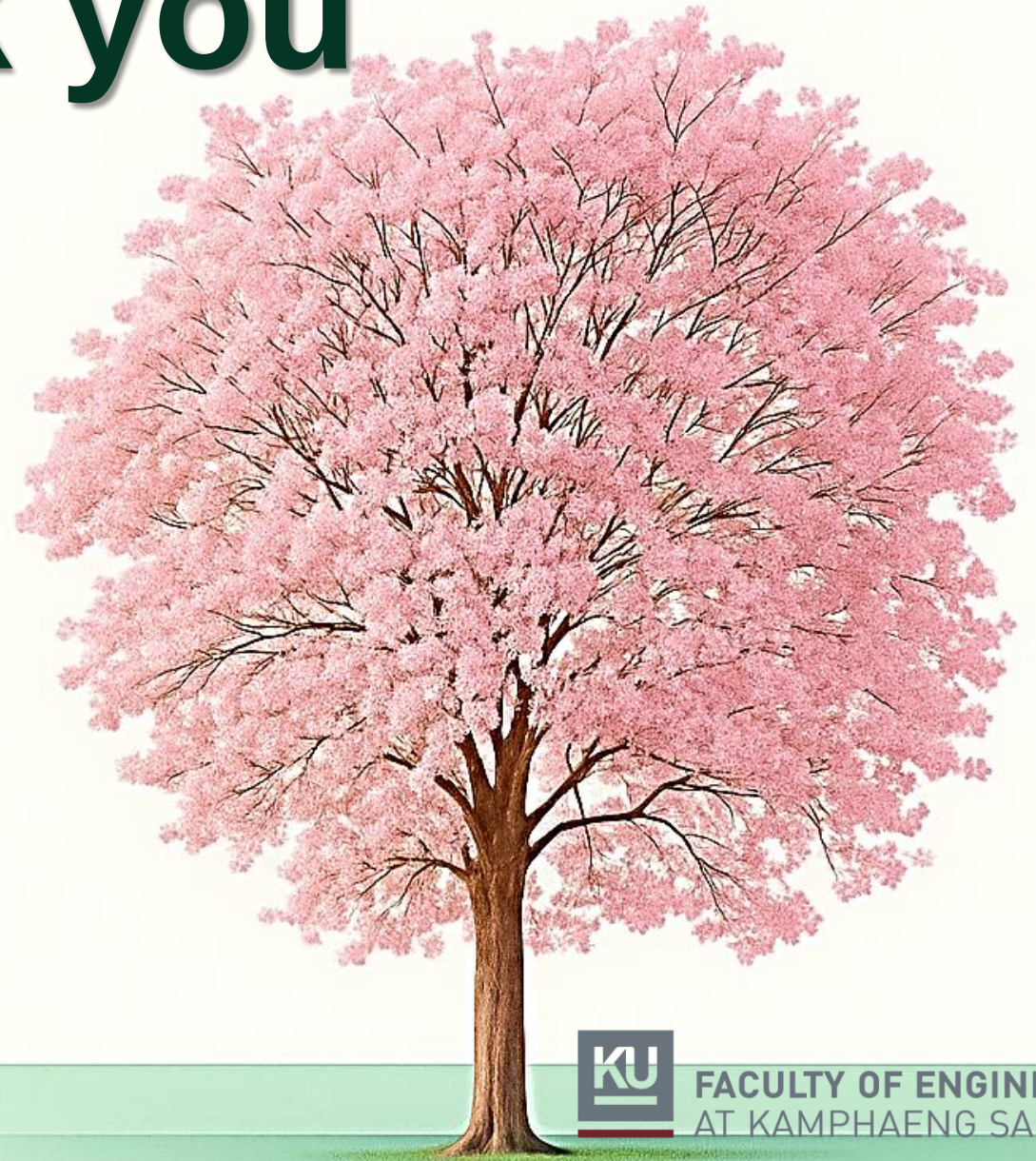
Next Steps Toward Accreditation

- Final alignment of testing procedures with ANTAM Quality Manual.
- Preparation and submission of required accreditation documents.
- Internal audit and readiness assessment for Power Tiller testing according to ANTAM Code.
- Continuous staff development and participation in regional ANTAM training programs.

Commitment

NAMC, Faculty of Engineering at Kamphaeng Saen, KU.KPS is fully committed to becoming an officially **Accredited Testing Station under ANTAM for Power Tiller**, ensuring high-quality, reliable, and harmonized machinery testing for Thailand and the Asia–Pacific region.

Thank you



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