



APPENDIX TO DIPLOMA (*)



SWEDEN

1. EXAMENSBEVISETS BENÄMNING

Yrkeshögskoleexamen

Tekniker tunga maskiner

2. TRANSLATION OF DIPLOMA TITLE

Diploma in Higher Vocational Education

Heavy Equipment Engineer

This translation has no legal status.

3. SKILLS AND KNOWLEDGE PROFILE

The holder of this document has

- Knowledge in basic laws and principles of Electricity, Electronics and Digital Circuits.
- Knowledge in basic laws and principles of Hydraulics and Pneumatics.
- Knowledge in models for quality assurance and certification.
- Knowledge about the industry's focus on quality and environmental work.
- Skills in the use of schematics and measuring instruments for troubleshooting electrical and hydraulic systems.
- Skills in troubleshooting, fixing and preventing malfunctions in heavy equipment drivelines.
- Skills in using advanced diagnostic tools for vehicles.
- Skills in methods of arc welding, gas cutting and soldering on a qualified level.
- Skills in understanding service information and repair instructions written in English.
- Competence to perform common service and maintenance work on above- and underground machinery.
- Competence to connect and troubleshoot CAN-BUS systems.
- Competence to apply specialised knowledge for practical troubleshooting of both open-loop and load sensing systems.
- Competence to work in a manner that is both safe and cost efficient from a work environment perspective.

4. PROFESSIONS AVAILABLE FOR HOLDERS OF THE DIPLOMA

Engineer for heavy machinery in the fields of mining, forestry and contracting.

5. OFFICIAL STATUS OF THE DIPLOMA

Name, status and address of the institution awarding the diploma	Name, status and address of the public authority issuing the entitlement to award a diploma to education providers
	The Swedish National Agency for Higher Vocational Education Postal Address: Box 145, S-721 05 Västerås www.myh.se
Diploma Level (national or international designation)	Grading Scale
NQF/EQF: <i>scale not yet established</i> ISCED – scale:	Fail (Icke Godkänt - IG) Pass (Godkänt - G) Pass with Distinction (Väl godkänt - VG)

6. OFFICIALLY RECOGNISED MANNER OF OBTAINING THE DIPLOMA

Description of vocational education and training received	Per cent of whole programme (%)	Length (hours/weeks/months/years)
• College/education centre		weeks
• Placement – Learning in a work environment		weeks
Total teaching/study duration resulting in diploma		weeks/years
<p>Further information</p> <p>A higher vocational programme may be of 200 vocational credits, equivalent to one full academic year, or 400 vocational credits, corresponding to two full academic years. If the criteria in Chapter 2, Section 13 of the Ordinance (2009:130) on higher vocational education are fulfilled, a Diploma in Higher Vocational Education is obtained. If the criteria in Chapter 2, Section 14 of the Ordinance (2009:130) on higher vocational education are fulfilled, an Advanced Diploma Higher Vocational Education is obtained.</p> <p>Entry requirement is successful completion of upper secondary education.</p> <p>For more information on higher vocational education, please visit the website of the Swedish National Agency for Higher Vocational Education: www.myh.se</p>		

(*) Explanatory notes

This document is intended to provide additional information about the specified diploma and has no legal status in itself. It is based on Council Resolution 93/C No. 49/01 of 3 December 1992 on the transparency and clarity of qualifications, Council Resolution 96/C 224/04 of 15 July 1996 on the transparency and clarity of vocational education certificates, and the European Parliament and Council Recommendation 2001/613/EC of 10 July 2001 on mobility within the Union of students, persons undergoing vocational training, volunteers, teachers and educators.

Further information on transparency and clarity may be obtained from: www.cedefop.eu.int/transparency

© European Communities, 2002