**Ruvicsa sells the First CASE CX210D excavator for use in forestry applications**

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A CASE CX210D, adapted by Guerra Industries and purchased by Maderas Luis Méndez, S.L., will be used to process eucalyptus timber, and clear and widen forest tracks in Asturias and Galicia, Northern Spain.

Ruvicsa, CASE distributor for Asturias and Cantabria has sold the first CASE CX210 D-series crawler excavator adapted for use in forestry applications in Spain to Maderas Luis Méndez, S.L. Servicios Forestales. With a head office in Vegadeo (Asturias), the company has had a worked with Ruvicsa since 2005. Its main business involves timber farming (60,000 tonne per year) for the production of cellulose. The company is also expanding internationally by exporting timber and wood chip.

Jose Luis Ruiz Fernández, CEO of Ruvicsa, explains its client’s requirements and why the CASE CX210D was the ideal choice: “The forestry industry requires a reliable machine that can guarantee excellent performance with low consumption. Particularly important in this excavator is the great advantage of its AdBlue system (it only needs to be added every 5 stops for refuelling).”

“It also has another two important characteristics for forestry applications which helped the client decide on the purchase. The first is, two diesel filters (one 2-micro and another 7-micron filter), with a fuel settling tank and an in-cab water warning sensor which is essential to tackle the injection problems that often arise in this type of application due to the water. Secondly, the overlapping layout of the radiators allows for easier cleaning.”

The advantages of the CASE CX210D over other excavators of the same capacity and weight are very clear. The reliability and quality of the product is guaranteed and it’s more economical to maintain because it does not use a diesel particulate filter (DPF) system. Fuel consumption is lower than those using DPF and AdBlue, and the overheating problems that may arise due to the high temperature of a DPF system are avoided.

Other significant characteristics of the CX Series crawler excavators includes, the 5 energy-saving controls: torque control, boom economy control (BEC), swing relief control (SWC), spool stroke control (SSC) and automatic idle and engine shut-down functions.

Ruiz Fernández highlights other important advantages of the CX210D: “This excavator offers extensive visibility, which is not the case with our competitors machines, most of whom can only guarantee rear visibility with a camera because there is no visibility through the rear window. The cab is spacious and one of the largest in the market. Level II FOPS protection is standard... Without a doubt, its price-quality ratio makes it the most competitive machine in the market at present.”

The head of Maderas Luis Méndez, Alejandro Méndez Cotarelo, concurs with him on the reasons for purchasing the CASE CX210D: “It is the most suitable machine in terms of its price-quality ratio necessary for our work, and perfect to perform the required tasks thanks to its size and throughput, which primarily includes timber processing in the forest and clearing and widening forest tracks, where required.”

Alejandro Méndez also underlines its versatility, such as simple maintenance and easy handling for operators in charge of the machine. “We are extremely happy with the purchase and the high levels of customer and technical service we receive from Ruvicsa.”

Jose Luis Ruiz adds: “I would like to take this opportunity to thank Maderas Luis Méndez for having chosen us once again and for trusting the quality of CASE machines and Ruvicsa’s technical service, something that has always set us apart from our competitors.”

**How the CASE CX210D was adapted for use in forestry applications**

The harvesting equipment fitted to the CASE CX210D excavator and adapted for use in forestry applications, and the IGSA 680A harvesting head will be used for shoring, bark-stripping, branch-stripping and cutting tasks. The machine can also sort the cut timber either by diameter or length, plus the harvesting equipment can replace the harvesting head with a bucket, leaving the CASE CX210D ready for forest trail and path widening or other improvements.

Based in Vila de Cruces (Pontevedra), Guerra Industries, are one Spain’s leading manufacturers of forestry and marine booms, and have more than 65 years of experience in this sector. They have made the necessary adaptations to the CASE CX210D for its use in forestry applications, complying with the 2006/42 Machinery Directive with regard to changes in the use of the machine from construction to forestry applications, which in this case involved producing an approved cab protection structure.

“Given the technical requirements for working with the IGSA 680A harvesting head, the basic machine must include a hydraulic outlet for the hammer and all of the ducts, plus a suitable rotary joint for installing a bulldozer blade,” explains Roberto García Carreiras, from the sales department at Guerra Industries.

“The client usually requires forestry guards on the excavator to protect it from the impact of falling trees, branches, etc. The rear doors of the machine are therefore replaced with similar ones, but made of a thicker sheet metal. A protective structure is built over the excavator’s engine, the sides of the machine are protected to avoid impact from branches or stones and the undercarriage is protected. Furthermore, long guide rails or skids are installed to prevent the crawlers/tracks of the excavator from coming free and elevated track show for easier traction in the forest.”

“Lastly, for efficiency and safety purposes we also installed a dual-fan electric cooler to prevent the oil temperature from increasing, as it tends to rise quickly when working with a harvesting head and this could cause a fire, and in a forest location it could be a major issue.”

**CX210D technical specifications**

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| **Excavator** | **CASE CX210D** |
| Maximum operating weight | 21.5 t  |
| Power | 124 kW / 166 HP |
| Motor | Isuzu - Tier 4F / EU Stage IV  |

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