

**The work area.**

**Job Report**

**PR 734**  
Litronic®

**Liebherr PR 734 crawler tractor enlarges vine-growing area.**



Printed in Germany by Eberl BK-RP LWT 100218574-0.8-09.04 Illustrations and data may differ from standard equipment. Subject to change without notice.

**Liebherr-Werk Telfs GmbH**  
Hans-Liebherr-Straße 35, A-6410 Telfs  
☎ +43 (0)5262 600-0, Fax +43 (0)5262 600-72  
www.liebherr.com, E-Mail: marketing@lwt.liebherr.com

**LIEBHERR**



## Situation

In the heart of Italy's Tuscany region is the celebrated 'Chianti Classico' wine-growing area.

Its bare, stony fields are absolutely ideal for growing the grapes needed for a first-class wine. The plentiful sun of the Tuscan summer then takes over, so that the grapes ripen to an excellent standard of quality. When the vine-growing areas have to be extended or recultivated, the growers commission the Volterrana Scavi Srl Company in Montespertoli for the task who specialises in these important preparations for the production of top-quality wines.



## Assignment Report

**Landscaping at the highest level.**

If the wine is to achieve the desired high quality, great care must be taken when the ground is being prepared for the new vines. It must be ploughed to a uniform depth of 1.2 m / 47.2 in, with the furrows in neat lines as far as possible, so that rainwater can penetrate deeply into the ground and also drain off effectively. This gives the grapes the special quality that permits them to be used in the making of Chianti Classico.



## Solution

### Performance

The remarkable tractive force exerted by the PR 734 Litronic and its stepless, automatic speed control makes ploughing of the soil to the required depth a straightforward matter. The machine is capable of high ploughing speeds, so that cycle times are reduced.

### Economy

The PR 734's performance, its high level of availability with no risk of overheating the driveline as can occur with conventional dozers and the stress-free manner in which it can be operated, combine to achieve significantly higher effective results. The emission-optimised diesel engine harmonises perfectly with the driveline to keep fuel consumption to a minimum, thus enhancing the environmental acceptability that is particularly important when the PR 734 is used for this type of work.

### Reliability

In this heavily dust-laden atmosphere, when operating at extremely low speeds and developing high tractive forces in very high ambient temperatures, the main risk is always that the driveline will overheat. The PR 734's hydrostatic travel gear, despite the exceptional level of efficiency it offers the user over the entire speed range, avoids this overheating risk, nor does the one-sided load exerted when ploughing cause any problems even after lengthy periods of operation, thanks to the fully-hydrostatic steering system.

### Comfort

The angled seat, the single-lever control principle and the ideal view of the work area ensure relaxed operation. The machine's high performance potential is instantly available when the driver needs it. Together with the precise, sensitive control system, which maintains the flow of power to both crawler tracks even when the direction of travel is being corrected, the driver can concentrate entirely on the plough and on the high quality work that is called for in the vineyards. The cabin's excellent insulation and pressurised ventilation, and the high-performance air conditioning available as an optional extra, make the driver's work area pleasant and comfortable in every kind of weather.



### Ideal power transmission.

The long crawler tracks ensure that tractive force is transmitted reliably to the ground despite the length and weight of the rear-end working attachment. On very steep slopes in particular, the hydrostatic travel gear demonstrates its advantages to the full.



### High ploughing speed.

The machine's power permits rapid working cycles. It follows the chosen line neatly, so that the driver can concentrate fully on the plough.



### Constant ploughing performance.

The soil is ploughed to a constant depth of 1.2 m / 47.2 in, with a ploughshare width of between 60 and 90 cm / 23.6 and 35.4 in.