

Job Report

First Liebherr Generation 6 bulldozer in use
at the company Reuscher Tiefbau GmbH



LIEBHERR

Situation

The company Reuscher Tiefbau GmbH was founded in 1963 by Bernhard and Anna Reuscher and in 1980 was handed over to their sons Edgar and Hans-Joachim. Having started off with simple earth excavations, the business began to specialise in canal construction in the 80s and established itself with moderate but steady growth in the German Westerwald region. Today, the company has become a medium-sized business, in the construction industry with approx. 80 employees. A fundamental part of the corporate philosophy is that business success can only be achieved through a constantly high level of customer satisfaction.



Task

In the course of the site development „Rübgarten II“ in the Burbach district (Siegerland, Germany), approx. 20,000 m² of topsoil had to be removed. Subsequently, soil masses were filled and compacted on this surface. In those former forest areas, high demands were placed on machine technology. The occasionally difficult weather conditions created another major challenge on the surface.



Solution

For the construction works, the firm used machinery out of their well-equipped Liebherr fleet (a total of 14 machines) particularly the new Generation 6 PR 736 Litronic bulldozer.

To ensure optimal pushing performance on soft ground, the PR 736 was equipped with a wide “LGP” undercarriage.

The highest possible level of efficiency

The newly developed 6-way blade with foldable corners gives the PR 736 great flexibility. It increases the range of application possibilities of the machine and allows for easy transportation without removing the blade. All new Generation 6 dozers have electronic drive control with integrated Eco function. This gives the driver the choice between high performance and maximum fuel efficiency, whereby the system automatically ensures economical operation of all drivetrain components.

Powerful and reliable

A further innovation is the proactive power adjustment. Active engine management results in faster response times as well as a noticeable higher output.

A comfortable and safe workplace

The PR 736 cabin has been developed from scratch: The ergonomically designed joysticks can be adjusted to meet the driver's needs. The optimum travel speed can be freely preselected and, if desired, also be saved for fast retrieval. Intuitive control elements allow less experienced drivers safe and efficient operation of the dozer. This way, the truck drivers can also be used on site to operate the dozer. The touch-controlled



Safe work even on soft ground

display for Liebherr earthmoving machines is now also being used in the PR 736 bulldozer. On the touch screen, the driver can set important operating parameters like travel drive response, activate the Eco mode, or operate the air conditioning.

Easy maintenance and low operating costs

Centralised maintenance points, wide-opening access doors and engine compartment doors, a standard tiltable operator's cab and a cooling fan optionally hinged for easy cleaning enable fast maintenance access and easy service of the new PR 736. In direct discussion, Mr. Reuscher especially emphasized the easy operation, the advantages of fast transport between building sites and the high pushing performance of the new PR 736 Litronic.

Technical Data

PR 736 LGP Litronic

Engine	Liebherr D 934 A7
Engine output according to ISO 9249	150 kW / 204 HP
Operating weight	20,300–24,600 kg
	44,750–54,230 lb
Blade capacity	4.63 m ³ / 6.06 yd ³

Equipment

PR 736 LGP Litronic

6-way blade with hinged corners
3-Shank Ripper
Air conditioning
Laser/GPS preparation kit
LED Headlights on operator's cab and platform

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