

Optibelt ist Spezialist für hochwertige Antriebs Elemente und liefert Produkte von höchster Qualität.
Optibelt is a specialist manufacturer of high-quality drive elements and supplies products of the highest quality.

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Optibelt RED POWER II

Even in Argentina the first choice on the oil fields

Patagonia is an Argentine region, that is located at the southernmost tip of South America. The elevated land to the East and the Andes to the West are the causes of the predominantly tough climate which can be found here. The two most important oil sources in the country can be found in this region. Aside from the typical drilling instruments, PCPs ("Processing Cavity Pumps") are also used here to extract oil. These pumps place a huge amount of strain upon the V-belts due to the small diameter of the pulley and the high level of power.

In Patagonia, S. Uffenheimer S.A. – one of Optibelt's dealers – has identified an important sales opportunity with PCPs which will be used by large companies such as Petrobras, Repsol YPF, CapsaCapex as well as by others in order to tap oil fields which are low in pressure or fields where sand can be found. During the course of co-operation between the Marketing and the Technical Departments, the RED POWER II V-belts appeared to be a particularly innovative solution for these challenging requirements. Due to the fact that the short life-span of the 5VX V-belts that had previously been used was well known, this type of situation lent itself to carrying out test runs with the Optibelt RED POWER II V-belts with the PCPs at the Weatherford, Netsch and PCP Oil Tools Companies. The end result was as follows: The RED POWER II belts are extremely applicable for this planned intended use.

Here are some examples: Where standard V-belts were used under normal condition on oil fields, they had a life span of 9,580 hours. However more could be tested with the RED POWER II V-belts as they had a life span of 23,000 hours which equates to almost triple the original life span. When used in oil fields under extreme conditions, the standard V-belts had a life span of between 1,000 and 2,200 hours. However the Optibelt RED POWER II managed a life span of over 16,000 hours which equates to eight times the life span. Another particular characteristic is that the V-belts that were tested never had to be re-tensioned. Despite these belts being more expensive, the savings which can be made when using RED POWER II V-belts are huge:

- Oil extraction down times which are caused by damage to the V-belts are minimised.
- Oil extraction down times which are caused by having to carry out a re-tension process to the belts are also minimised.

Finally:

- Savings are made due to less maintenance and the costs which are associated with this phase.

The above advantages are even more profound in extremely inaccessible or – as in this case – remote areas such as Patagonia. The results which have been shown here, have therefore already led many companies to change their equipment so that Optibelt RED POWER II V-belts are now the standard V-belts which they use in their oil pumps.

