MILAN SEAL PAC – A PARTNER FOR LIFE

GOOD NEWS: ACCORDING TO RECENT ESTIMATIONS, WIND TURBINES EVEN LAST UP TO 30 YEARS.

EVEN BETTER NEWS: MILAN SEAL PAC CAN COVER THIS TIME PERIOD AS WELL.

NEW FROM
APRIL 1ST, 2020 IN EU
JUNE 1ST, 2020 IN US
15 YEARS LIFETIME
+15 YEARS RESEALING
= 30 YEARS LIFETIME

Our long-time stress-tests of all critical materials prove that MILAN SEAL PACs can cover the period of 30 years as well – with all the safety and quality guarantees you can expect from a SKYLOTEC product.

SKYLOTEC is in wind industry since the very beginning, setting the standards in safety and rescue systems. For over seventy years it is our constant tradition to change and to adapt to new needs and new markets. Our constant drive towards new solutions for existing problems as consequently has made us the trusted partner we are today.

It is in our DNA: We safeguard and support those who face risks to keep our society going. It all started with miners, so it is only logical that today we are the leading supplier for safety equipment in the wind energy industry. The challenges change, but we are here to protect those who face them.

With the MILAN SEAL PAC, our special vacuum packed rescue device, we made the legally required second escape route on wind turbines more cost-efficient, resource-saving and logistically uncomplicated, of course without any compromises in safety. A product that lasts the average life span of a wind turbine.

How do we ensure an extended lifetime?

- Performance and durability are proven by re-certification/tests according to EN 341 and years of experience in the market
- Tests with overage brakes stored in SEAL PACs show no loss of performance
- Tests with aged ropes show hardly any loss of strength, even under extreme atmospheric influences

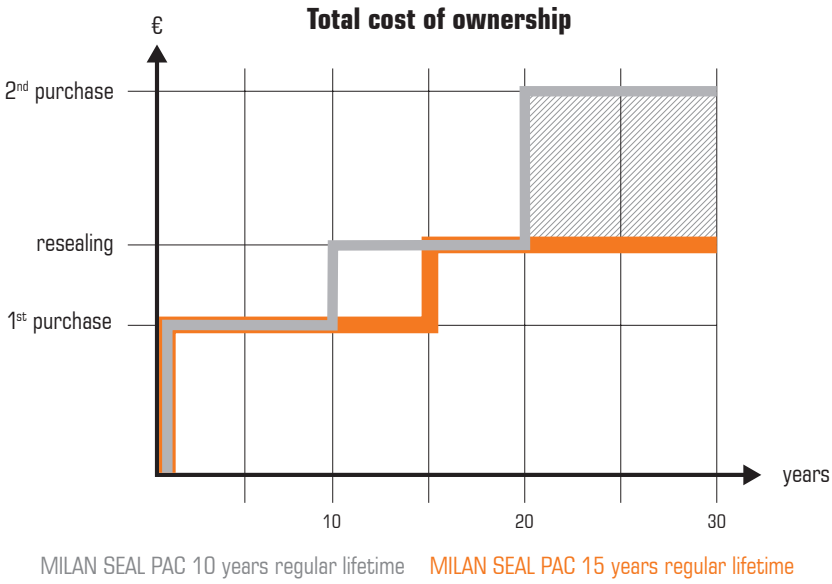
Conclusion:

We can now guarantee a total lifetime of 30 years (after a 15 years' resealing) for our MILAN in SEAL PACs. SKYLOTEC is the partner for life – to safeguard the lives of your people during the whole life span of your turbine.

We keep you safe for 30 years – guaranteed.

MILAN SEAL PAC
MILAN SEAL PAC LIGHT TO GO

15 YEARS REGULAR LIFETIME + 15 YEARS RESEALING LIFETIME = 30 YEARS MAXIMUM TOTAL LIFETIME



Manufacturing date	Resealing date	Lifetimes of MILAN SEAL PAC and SEAL PAC LIGHT TO GO depending on manufacturing and re-sealing date
until 31.03.2020	until 31.03.2020	10 years / 10 years
until 31.03.2020	**from 01.04.2020**	10 years / **15 years**
from 01.04.2020	**from 01.04.2020**	**15 years** / **15 years**

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

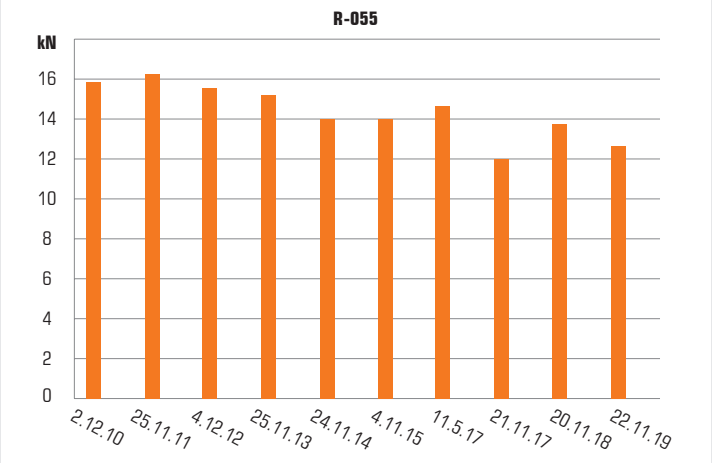
Resealing

HOW DO WE ENSURE AN EXTENDED LIFETIME?

Longterm-conditioned ropes tested in static strength tests until brakage

Those rope hardly any loss of strength under atmospheric influences.

Since 2010 continously aged testing samples for long time performance investigation and proof



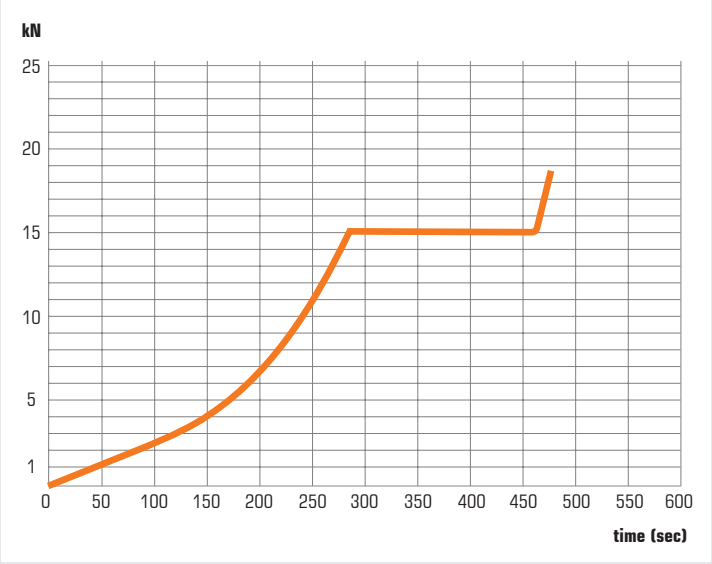
Performance and durability testing of SealPac-Stored MILAN devices and ropes

Brake:

by re-certification/tests according to EN 341 with overage brakes stored 12 years in SEAL PACs on site show no loss of performance

Rope:

by re-certification/tests according to EN 1891 with overage ropes stored 10 years in SEAL PACs on site show no loss of performance



Conclusion

The results of aged equipment stored in SealPacs allow us a fact based prolongation of the MILAN SealPacs lifetime to 15 years.

MILAN SEAL PAC
MILAN SEAL PAC LIGHT TO GO

EVIDENCED
15 YEARS LIFETIME
+ 15 YEARS RESEALING
= 30 YEARS LIFETIME

Rescue devices, including unused ones, which are kept in reserve for emergencies, must be inspected once a year. With the SEAL PAC this is simplified. The MILAN rescue device with individual rope length and accessories is packed in a specially padded and sealed aluminium box. An authorised inspector opens the box once a year and checks the moisture indicator on the packaging. If it is in perfect condition, the inspector reseals the metal box with an enclosed seal. This simplified annual inspection procedure saves time and money, as there are no costly transport routes and thus no downtimes. The regular service life of the SEAL PAC is 15 years and can be extended once for another 15 years - after replacement of the MILAN brake and textile components within a special resealing process. This corresponds to a total service life of up to 30 years.

The SEAL PAC LIGHT TO GO ensures safety during mobile operations. In the padded DRYBAG the rescue system with accessories can be transported to the respective location without any problems. Rescue devices, including unused ones, which are kept in reserve for emergencies, must be inspected once a year. This procedure is simplified with the SEAL PAC LIGHT TO GO. An authorized inspector opens the DRYBAG and checks the moisture indicator on the packaging. If it is in perfect condition, the inspector reseals the DRYBAG. This simplified annual inspection procedure saves time and money. The regular service life of the SEAL PAC LIGHT TO GO is 15 years and can be extended once for another 15 years - after replacement of the MILAN brake and textile components within a special resealing process. This corresponds to a total service life of up to 30 years.

SEAL PAC

§	depends on rescue device and additional contents of the kit			
mat	vacuum-sealed packaging in a padded aluminium box			
	550 x 350 x 245 mm	592 x 388 x 409 mm	750 x 350 x 350 mm	902 x 495 x 379 mm
m	80 m	120 m	150 m	250 m
kg	individual weight			
art no	**SET-SEAL PAC-80**	**SET-SEAL PAC-120**	**SET-SEAL PAC-150**	**SET-SEAL PAC-250**

SEAL PAC LIGHT TO GO

§	depends on rescue device and additional contents of the kit
mat	vacuum-sealed packaging in a DRYBAG (PVC coated canvas fabric)
	59 l
m	individual rope length
kg	individual weight
art no	**SET-SEAL-PAC-LITG-L**

SKYLOTEC

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