

# BUSINESS CASE



## FIELD TEST OF GBX LUBRICANTS



### Information

**Turbine type:** GE 1,5 SL

**Duration:** 5 years

**No. of parks:** 13

**Oil samples:** 4.595

**Filtration system:** Identical

**Oil types:**

- Amsoil PTN
- Castrol OptigearA 320
- Castrol OptigearX 320
- MobilgearSHC XMP 320

**Measuring points:** Particle and water level

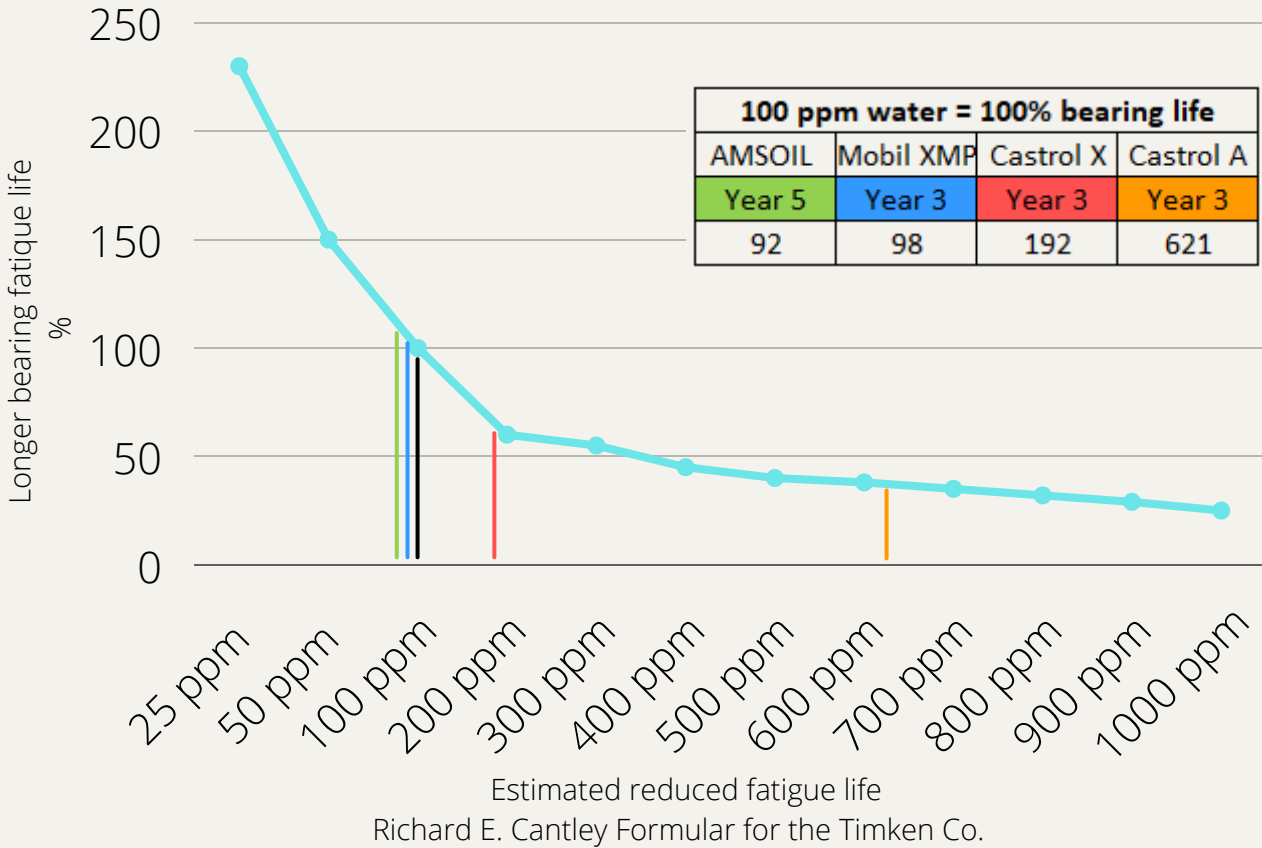


### Results

Oil type	Average water level ppm	Delta to PTN	Life time compared to PTN	Average 4 µm particles	Delts to PTN
AMSOIL PTN 320	92	100%	100%	668.978	100%
Mobilgear SHC XMP	98	107%	95%	813.879	122%
Castrol Optigear X 320	192	209%	68%	1.256.980	188%
Castrol Optigear A 320	621	675%	32%	11.052.180	1652%

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## Conclusion water



Estimated reduced fatigue life  
Richard E. Cantley Formular for the Timken Co.

## General conclusion

Amsoil PTN outperforms all other oils in the field test. This is backed by the fact that Amsoil PTN 320 is the lubricant with the highest number of OEM and gearbox approvals in the wind industry.

We would like to give you an idea of how Amsoil can increase your energy output and protect your wind investment