**Very high cycle fatigue properties of high strength steel**

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**ACKNOWLEDGEMENTS**

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**REFERENCES**

References should be quoted in the text with a number in square brackets such as [1]. All references should be listed at the end of the manuscript in the order they appear in the text. The appropriate reference styles are shown in “References.” For four or more authors, use the first named author followed by “et al.”

1. Sakai T. et al., In: Zimmermann M. and Christ H.-J.*,* eds. *Seventh International Conference on Very High Cycle Fatigue*, DVM, Dresden, 2017; 57–62.
2. Yoshinaka F. et al., *Fatigue Fract Eng Mater Struct*. 2019; 42: 2093–2105.
3. Oguma H. and Nakamura T., *Int J Fatigue.* 2013; 50: 89‒93.
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Table 1 Mechanical properties of high strength steel.

|  |  |  |  |
| --- | --- | --- | --- |
| 0.2% proof stress [MPa] | Tensile strength  [MPa] | Elongation  [%] | Reduction of area  [%] |
| 1400 | 2140 | 11 | 44 |

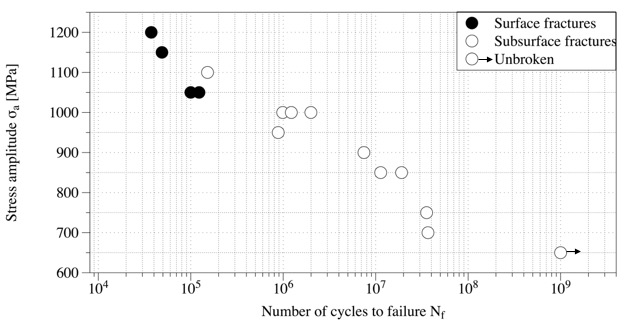


Fig. 1 *S-N* plots of the material used.

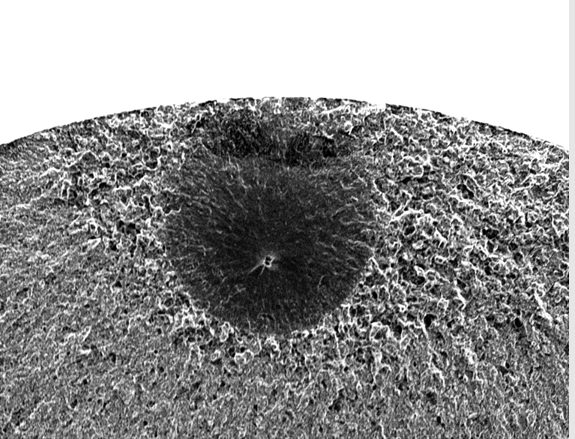


Fig. 2 Subsurface fracture surface.