

Record for determining the actual use "S" of series hoists in accordance with FEM 9.755

Owner:

Hoist number: Crane number:
 Commissioned: Year of manufacture:
 Type: Classification to FEM 9.511:
 S.W.L.: kg Hoisting speed (main hoist) m/min

The log must be filled in by the owner.

Evaluation period	Partial use (expired lifetime) [h]	No. of days used per year [Days]	Working hours per day [h]	No. of work cycles per hour	Mean hook path [m]	Load spectrum
						(Please tick the numbers ①, ②, ③ or ④. If none of the load spectra stated corresponds to your application, please fill in number ⑤.)
1	2	3	4	5	6	7
More than one year can be taken as basis for the initial evaluation.	Method of determination: a) Load spectrum memory b) Operating hours counter c) Estimation d) Periods where use is not known (FEM 9.755 pt. 6.2.1) = 93.75 hrs. / year e) Periods without use (FEM 9.755 pt. 6.2.2) = 23.43 hrs. / year Please enter value according to point a), b), c), d) or e). In case of point d) or e) a further entry in the columns 3 - 7 is unnecessary.	If no information available, 250 days per year are taken as basis.				① ② ③ ④ ⑤ Estimated average load in evaluation period % with kg % with kg % with kg % with kg % with kg % without load % with dead load kg

x = operating time, y = load (See overleaf for explanations)

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The signatory of this log is apprised of the fact that the remaining service life of the hoist will be determined on the basis of the data given.

The time at which the general overhaul is due cannot be determined correctly if incorrect data are given. In this case impaired safety in operation cannot be excluded. If necessary, an expert must be charged with performing the evaluation.

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Place / Time

.....
Signature and company stamp of owner

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Summary of theoretical effective service life D (full load lifetime) for our hoists.

1. Type **YKA/SKA; YKB/SKB; YKC/SKC; YKD/SKD; YKE/SKE; YKF/SKF; YKG/SKG** wire rope hoists

These hoists are classified in mechanism groups

Mechanism groups in accordance with FEM 9.511	1Bm	1Am	2m	3m	4m	5m
Mechanism groups in accordance with ISO 4301-1	M3	M4	M5	M6	M7	M8
Effective lifetime / Full load lifetime D	400 h	800 h	1.600 h	3.200 h	6.300 h	12.500 h

The expired lifetime is now determined on the basis of the calculation rules given in FEM 9.511 and FEM 9.755 and the information given by the owner.

As stipulated by BGV D8 / UVV 18.1(4), only the owner is authorised to do this.

If he is not able to perform the calculation, he must commission an expert.

Acceptable as experts (BGV8 / UVV 18.1):

- Crane experts authorised by the Employers' Liability Insurance Association
- Experts from the Technical Inspection Authority
- Manufacturer's authorised representatives

If the remaining service life has expired the hoist may only continue to be operated after the parts situated in the power flux have been given a general overhaul.

Load spectra

indicate to what degree a mechanism or parts of it are subjected to maximum load or only lower loads. In acc. with FEM, various load groups are averaged out:

- ① **light:** Loaded to maximum only in exceptional cases, however mostly only light loads, no dead load.
- ② **medium:** Loaded to maximum occasionally, however constant low load, medium dead load.
- ③ **heavy:** Frequently loaded to maximum, constant medium load, high dead load.
- ④ **very heavy:** Regularly loaded to maximum, very heavy dead load.