Department of Transportation

Lining Inspection Intervals – Owner Responsibility

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Why are the proper linings and coatings so important?
The shipper and the car owner thought the car was being loaded with waste sulfuric acid.
Federal Authority

49 CFR 180.509

Basic rule on inspection intervals:

Cars transporting non-corrosive materials:

10 years for tank and service equipment
49 CFR 180.509

Basic rule on inspection intervals:

Non-lined / coated cars transporting corrosive materials:

An interval based on corrosion rate,
not to exceed
10 years for tank and 5 for service equipment
49 CFR 180.509

Basic rule on inspection intervals:

Lined / coated cars transporting corrosive materials:

10 years for tank,
5 years for service equipment
49 CFR 180.509

Basic rule on inspection intervals:

Owner of lining or coating to determine periodic inspection interval, test technique, and acceptance criteria, and
49 CFR 180.509

Basic rule on inspection intervals:

And must maintain – and make available –

documentation used to make that
determination
Quality assurance requires:

Proper procedures,

Performed by properly qualified people,

Properly documented.
Basic intervals are the same,
with significant changes for linings and coatings.
SP 12095 -- 180.509

Before July 1, 2006,

inspection intervals set based on known characteristics of the commodity and the lining/coating.
After July 1, 2006,

inspection intervals set based on data gathered on service life of lining/coating exposed to a particular commodity,

Not to exceed 8 years.
SP 12095  --  180.509

Please note:
SP 12095 -- 180.509

The 8-year interval is not a true default interval:

the requirement is for the owner

(of the lining or coating)

to SET an interval based on data collected

from experience.
Through all of tis,

the responsibility is clear –
SP 12095 -- 180.509

The owner of the lining and coating is responsible for collecting and examining the data, setting the inspection intervals, procedures and criteria, and . . .
Making the written record available to FRA inspectors on request.
And finally . . .

“A tank car successfully passes the lining and coating inspection and test when the lining or coating conforms to the owner’s acceptance criteria.”
Once again-

Quality assurance requires:

Proper procedures,

Performed by properly qualified people,

Properly documented
Thank you for your time and attention.
To learn more:

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