



U.S. Department of Transportation Federal Railroad Administration

Department of Transportation Lining Inspection Intervals – Owner Responsibility

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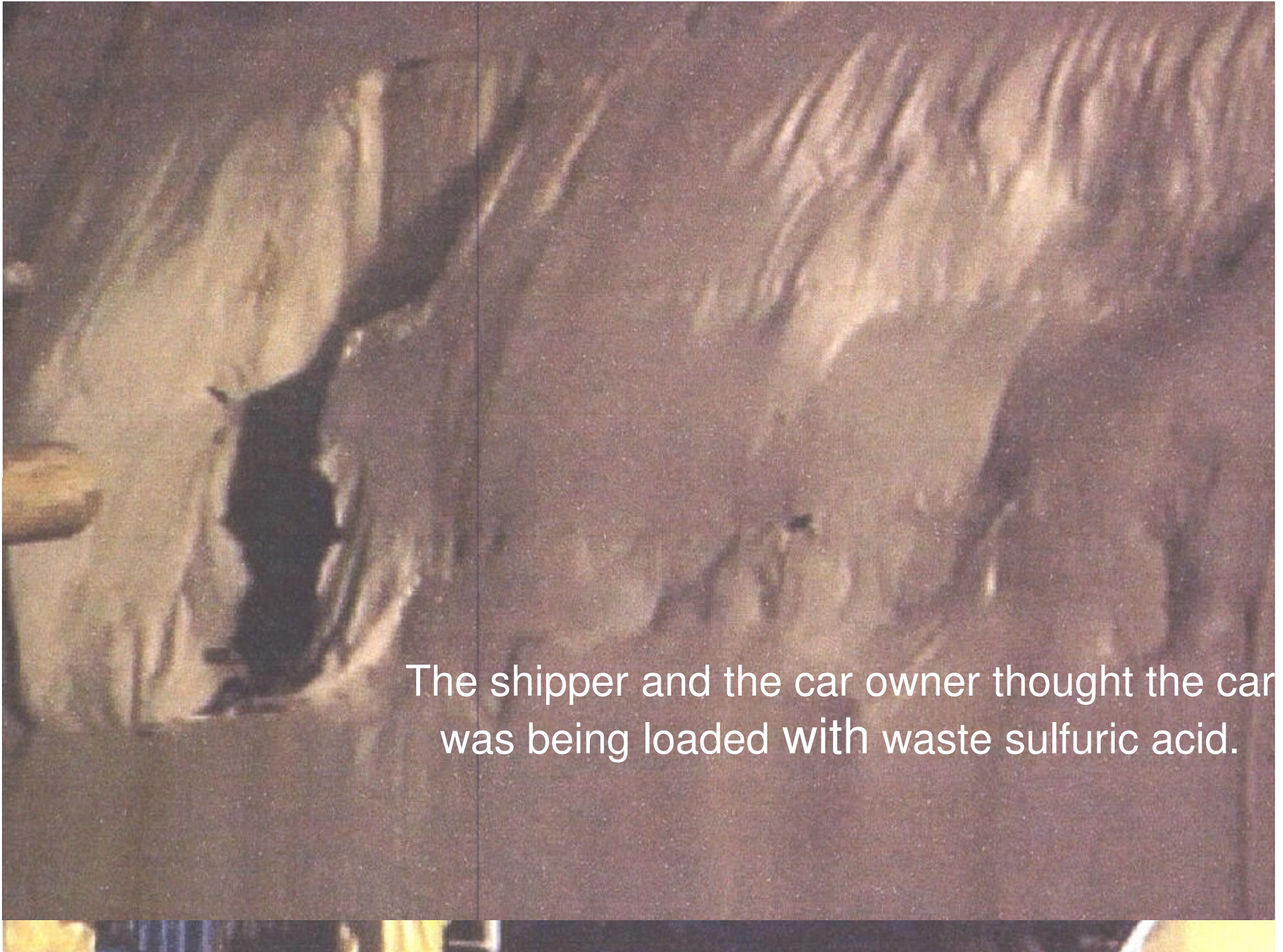
Washington, DC



U.S. Department of Transportation
Federal Railroad Administration

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



Federal Authority

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



Federal Authority

49 CFR 180.509

Basic rule on inspection intervals:

Lined / coated cars transporting corrosive materials:

10 years for tank,
5 years for service equipment



Federal Authority

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



Federal Authority

49 CFR 180.509

Basic rule on inspection intervals:

And must maintain – and make available –
documentation used to make that
determination



Federal Authority

49 CFR 180.509

Quality assurance requires:

Proper procedures,

Performed by properly qualified people,

Properly documented.



Federal Authority

SP 12095 -- 180.509

Basic intervals are the same,
with significant changes
for linings and coatings.



Federal Authority

SP 12095 -- 180.509

Before July 1, 2006,

inspection intervals set based on known characteristics of the commodity and the lining/coating.



Federal Authority

SP 12095 -- 180.509

After July 1, 2006,

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

Not to exceed 8 years.



Federal Authority

SP 12095 -- 180.509

Please note:

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Federal Authority

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.



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SP 12095 -- 180.509

Through all of this,

the responsibility is clear –



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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 . . .



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Making the written record available to

FRA inspectors on request.



Federal Authority

SP 12095 -- 180.511

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.”



Federal Authority

SP 12095 -- 180.511

Once again-

Quality assurance requires:

Proper procedures,

Performed by properly qualified people,

Properly documented



Thank you
for your time
and attention.



Resources

To learn more:

FRA: www.fra.dot.gov

PHMSA: hazmat.dot.gov



Contacts

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