

Lesson Plan

Course:

Course Number:

Lesson Plan Date: 11/18/2021

Lesson Title: Effectively Sealed Oil Tanks

Time: 20-30 minutes

Instructor Preparation: Review PowerPoint Titled *Effectively Sealed Oil Tanks*

Room Set Up and Equipment:

- **Room Arrangement:**
 - Virtual Class no room set up necessary
- **Equipment:**
 - Computer with access to ZOOM Meetings
- **Training Material:**
 - PowerPoint
 - Instructors Notes
- **Participate Handouts**
 - Exercise-3 pictures of tank seals

Main Objective: Given a picture of an oil tank seal, determine if the tank has been effectively sealed per 43 CFR 3173.2

Est. Time	Visual and Notes	Content
3 min	Introduction	
	Attention Step	Show statistics of oil theft
	Hook	Show how this affects BLM
	Credential	Hello my name is....
	Objective	Our course objective today is: Given a picture of an oil tank seal, determine if the tank has been effectively sealed per 43 CFR 3173.2
	Route	Topic 1: Task Knowledge Topic 2: Demonstration Exercise
	Transition	Now that we know the route of what will be covered today let's get started...
10 min	Topic 1- Task Knowledge (Ask the students the following questions)	<p>What is an oil tank seal? Possible answers:</p> <ul style="list-style-type: none"> • Something that keeps oil from being removed from a tank • Device that secures a valve <p>What are the regulatory requirement for an oil tank seal? Possible answers:</p> <ul style="list-style-type: none"> • 43 CFR 3173.2 <p>Why are seals important? Possible answers:</p> <ul style="list-style-type: none"> • Keeps oil from being stolen • Documents the movement of oil

		<p>Where should they be located?</p> <ul style="list-style-type: none"> • Sales valves • All valves
		<p>What valves do not need to be sealed?</p> <ul style="list-style-type: none"> • Valved on water tanks • Fill line valves • Valves on equipment
		<p>What are the components of a seal?</p> <ul style="list-style-type: none"> • Must have a unique number • Must affectively seal
	Transition	Now that we have gone over some of the general knowledge of the use and importance of seals, let's look at identifying them...
5 min	Topic 2: Demonstration	<p>Demo 1-Instructions: Show the students via PowerPoint an example of an effectively sealed tank. Discuss</p> <p>Demo 2- Instructions: Show the students via PowerPoint an example of an effectively sealed tank. Discuss</p> <p>Demo 3- Instructions: Show the students via PowerPoint an example of an in-effectively sealed tank. Discuss difference</p> <p>Demo 4: Instructions Show the students via PowerPoint and example and have the students discuss whether the tank is actively sealed and why. Get the students involved as much as possible.</p>
	Transition	Great job! Now that you have seen some examples and we have identified them together, it is now time for you to try it on your own...
3 MIN	Exercise	<p>The following exercise will be an individual exercise and students will have three minutes to complete. Using the three provided pictures determine if the oil tanks are effectively sealed per 43 CFR 3173.2.</p> <p>Out brief: Have students volunteer answers and explain how they came up with their determination.</p> <p>Example question:</p> <ul style="list-style-type: none"> • Was the tank effectively sealed? • Why or Why Not? • What needs done now?
2 MIN	Conclusion	<p>Good job on the exercise. Let's review our lesson objective: Would someone like to read our objective for us?</p> <p>Given a picture of an oil tank seal, determine if the tank has been effectively sealed per 43 CFR 3173.2</p>
5 min	Summary	<p>To reach our objective, we covered the following topics:</p> <ul style="list-style-type: none"> • Task Knowledge: <ul style="list-style-type: none"> What is a seal? Why is it important? Where should they be located? • Next, we showed you how to identify if an oil tank was effectively sealed • Finally, we had you determine three examples on your own.
	Transfer	Congratulations! You now know how to determine if an oil tank is effectively sealed.
2 MIN	Close	<ul style="list-style-type: none"> • You can now help prevent the theft of oil by now being able to identify the effectively sealed tanks.