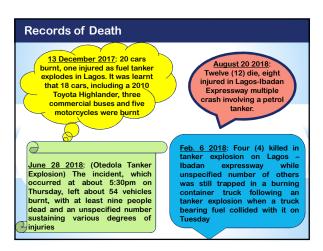


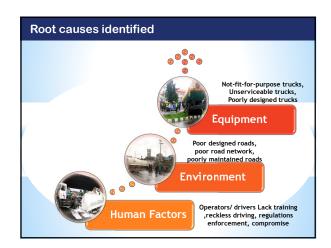
Petroleum products (gasoline, diesel, and aviation fuel) distributed in Nigeria are transported in tanker trucks. Petroleum tankers move these items which are classified hazardous cargo on Lagos roads, hence endangering the populaces. Downstream Petroleum marketers are at the forefront of the operation process that ensures bulk petroleum products are delivered to the end users. With deplorable condition of roads, poorly maintained tanker trucks, incompetent tanker operators or drivers and the unsafe behaviours of other road users, the result has been frequent incidents recorded in recent time in Lagos and Nigeria, as a whole.







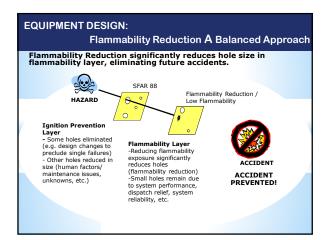




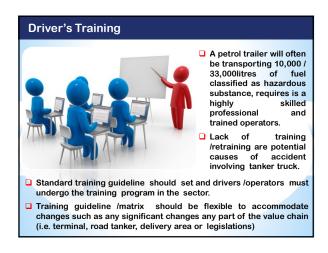
Equipment Design Trailers are designed to meet specification of the variety of liquefied loads to be lifted. Why are do we spillages and fatalities? The answer can be credited to several factors; Design of the tankers and safety equipment being fitted Equipment such as highly-engineered manlids /manholes, Vapor recovery equipment (valves and vents), Foot valves/emergency valves/internal valves, API (American Petroleum Industry) adaptors/tank units, Manifolds & dust caps and Electronic Stability Control Systems Formal driver training,

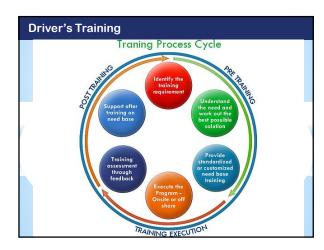


Equipment Design When loading or unloading liquids, the liquid moving through the pipes, top loading arms and bottom loading arms generate static electricity. Because simple static electricity can generate an electrical charge sufficient to ignite vapor from flammable liquids, vapor recovery and grounding is important. Gangway Loading Arm Grounding a tank truck at the loading at the truck at the loading station



Choosing and maintaining the right model of a tank trailer is important because of the associated risks with petroleum products that are harmful to human health and the environment. In case of leakages, product may explode and cause loss of lives. Hence, the need to insist on selecting the right tank trailer that is built in align with the manufacturing process specific for each product type.





considered for all operato	New to Industry	New to Employing Organisation	New to Terminal *	New to Industry Sub-sector	Return to Industry (after 3 month o more absence
Be able to prepare to deliver petroleum products tanker trucks on road	7	X	Х	Х	~
Be able to load petroleum products into tanker trucks on road	~	x	x	x	~
Be able to drive petroleum product tanker trucks on road	~	x	x	×	7
Be able to offload petroleum products safely	4	х	х	x	4
5 Be able to deliver petroleum products by road tanker — industry sub-sector requirements #	~	x	X	x	¥
Annual Refresher Training	1	X**	X	X **	·

Tanker Operations

What you should pay attention and how to stay safe when driving a tank trailer

- Loading the tank
 - One of the most important safety measures when handling a tank trailer is <u>following the right procedure</u> when loading the tank.
 - □ Proper loading is important to avoid <u>liquid surge</u>, which is common when a tank is half filled.
 - ☐ The most important factors to consider in determine the amount of liquid to load in a tank include:
 - The expansation rate of the liquid
 - Legal weight limits in the country
 - The weight of the liquid
 - The temperature of the load



Tanker Operations

To stay safe when driving a tank trailer

- Inspecting the tank trailer
- Inspecting all around the trailer to ensure that there are no leakages.
- Do not drive if the loaded gas or liquid is leaking, even if the leakage is small.



- Check if all the manholes and valves are covered.
- ☐ Driving a tank trailer with open valves is risky. It's an invitation to accident
- ☐ Re-check the parts before loading new cargo.

Tanker Operations

To stay safe when driving a tank trailer



- Control the surges
- ☐ liquid surges can cause the trailer to roll over when stepping on the brakes.
- keep the pressure on the brakes steady.
- Avoid releasing the brakes when stopping the trailer.

Conclusion

- Accident involving petrol tanker trucks on our roads is on the increase basically due to equipment, operations and human factors.
- ☐ Zero accident on our roads is achievable if we put all efforts into it.
- Only fit-for-use tanker trucks should be used at all times and trained drivers to drive, too.
- Training and re-training of operators and petrol truck drivers should be rigorous, aggressive and robust.
- ☐ Daily routine inspection of tanker trucks is vital in nipping accident in the
- ☐ Follow standard procedures while loading or offloading petrol at times.
- Drive to conditions of the road and do away with reckless acts that are capable of causing accident.

Punchline



THINK SAFE ACT SAFE BE SAFE

Reference and further reading

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