LASH FIRE

WEBINAR

05 April 2023, 14-15:30 CET

* CARRIAGE OF ELECTRIC VEHICLES
will the drencher system contain a fire?

* FIXED AND MANUAL FIREFIGHTING
when and how should the crew engage?

&

LIVE demonstration of extinguishment

REGISTRATION

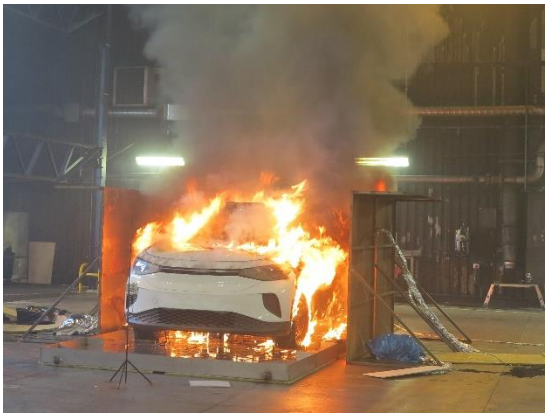
Managing a battery-fire on a ro-ro deck

With the increasing prevalence of Battery Electric Vehicles (BEV) concerns have been raised over the management of fires emanating from lithium-ion battery packs.

Discussions have been held on prohibiting carriage of BEV, segregation on-board and requiring additional fire-fighting capabilities.

The LASH FIRE research project has evaluated the efficacy of conventional sea-water drencher systems and assessed when and how to best intervene manually to contain a BEV-fire.

The results show that while BEVs present a different fire scenario, there is no increased risk for SOLAS compliant ships to carry battery electric vehicles.



14:00 **Welcome and setting the scene**

Johan Roos, Interferry

14:05 **Efficacy of conventional drencher systems**

A test series of geometrically similar ICEV's and BEV's was conducted. It is concluded that fires in the two types of vehicles are different but have similarities. However, a fire in a BEV is not more challenging than a fire in an ICEV for a drencher system designed in accordance with SOLAS.

Magnus Arvidson, RISE

14:30 **Effective and efficient manual firefighting**

Considering that most fires originate in the traction battery or fuel tank, fires in BEVs can be dealt by the same means and equipment as ordinary ICEVs. Manual firefighting operations need to factor in the type of vehicle, as a liquified gas fire should not be extinguished, and a thermal runaway can be almost impossible to extinguish, so containment is critical.

Jaime Bleye, SASEMAR

14:50 **Discussion**

How should operators approach BEVs?

How do we take these findings forward?

Lena Brandt, DFDS

Martin Carlsson, Stena Line

LIVE DEMONSTRATION! **15:00-15:30** **Live demonstration of extinguishment techniques**

Jaime Bleye, SASEMAR

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