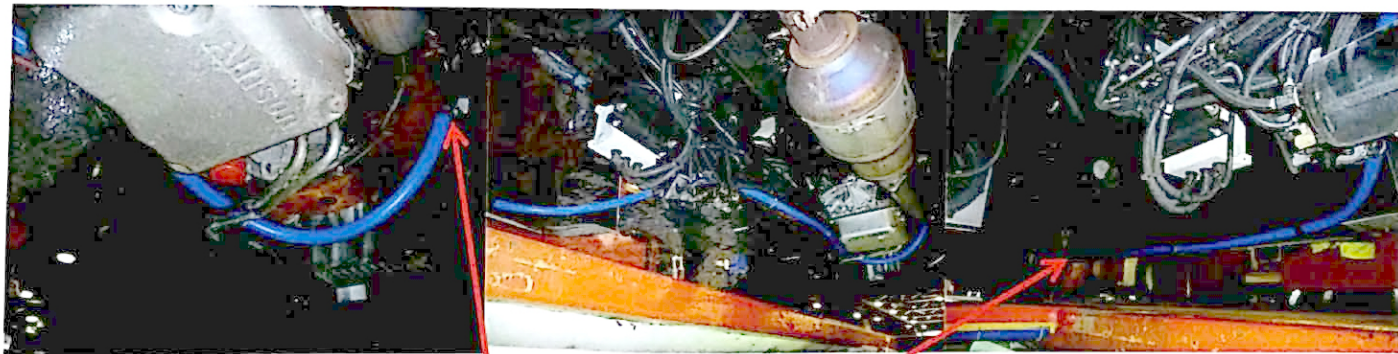


## INTERNATIONAL SHUTTLE - CRANK CASE BREATHER FUMES

- Maxxforce 7 Engine equipped with an open crankcase breather. The breather is designed to prevent the build-up of pressure in the bottom of the engine (oil pan). The outlet of the breather is located under the back of the engine. High fuel dilution rates allowed partially burnt fuel to enter the engine oil resulting in strong hydrocarbon smells coming from the breather. Smells coincided with regeneration events.
- Solution: Hose added to the breather tube to relocate the vent away from the underside of the bus and to rear wheels.



Original  
Breather Vent  
Location

Modified Breather  
Vent Location  
(Left Rear Wheels)

