




Jungheinrich / Liquefied Petroleum Gas (LPG) powered industrial lift trucks / Various Models

Aspect	Details						
Images							
PSD Number	2306-0003						
Product Type	Machinery – Industrial Lift Truck						
Product Identifiers	<p>Lift trucks with the IMPCO C-Series vaporiser manufactured by EControls BV installed as part of the trucks fuel system are affected. This includes Jungheinrich lift trucks in the following model ranges manufactured between the dates listed:</p> <table border="1"> <thead> <tr> <th>Truck Models</th> <th>Manufacture Date</th> </tr> </thead> <tbody> <tr> <td>TFG 316s TFG 320s</td> <td>01.14 – 03.23</td> </tr> <tr> <td>TFG 425s TFG 430s TFG 435s</td> <td>01.14 – 03.23</td> </tr> </tbody> </table>	Truck Models	Manufacture Date	TFG 316s TFG 320s	01.14 – 03.23	TFG 425s TFG 430s TFG 435s	01.14 – 03.23
Truck Models	Manufacture Date						
TFG 316s TFG 320s	01.14 – 03.23						
TFG 425s TFG 430s TFG 435s	01.14 – 03.23						
Product Description	Liquefied Petroleum Gas (LPG) powered industrial lift trucks.						
Country of Origin	Germany						
Counterfeit	No						
Risk Level	High						
Risk Type	Fire						
Risk Description	<p>Owners, users and other persons supplying, inspecting and maintaining these LPG powered vehicles are being alerted to the risk of fire when presented with a non-starting engine.</p> <p>Although these trucks had operated for many years without issue a build-up of deposits in fuel systems of some LPG powered vehicles, in particular those fitted with IMPCO C-series vaporiser units, has led to several fires. Deposits in vaporiser units, flow regulators and shut off valves are also causing trucks to fail to start, particularly from cold. The cause of these deposits appears to be related to variation in the composition of LPG fuel which has been distributed in some regions of Great Britain.</p>						



	<p>The model TFG 316s, 320s, 425s, 430s, and 435s LPG industrial lift trucks manufactured by Jungheinrich AG have been identified as one of a number of manufacturers' models known to be fitted with the IMPCO C-Series vaporiser in their fuel systems, which are particularly affected.</p> <p>Any other industrial lift truck or other LPG powered vehicle fitted with the IMPCO C-Series vaporisers manufactured by EControls Europe BV, either as originally supplied or as a replacement part, may also present a risk of fire.</p> <p>The particular design of the IMPCO C-Series vaporiser means that a build-up of deposits caused by some LPG fuel can lead to sticking valves resulting in the fuel mixture supplied to the engine being too rich to be ignited. Repeated starting attempts can then result in the release of unburned LPG, which in extreme cases can be ignited setting fire to the vehicle and surrounding materials.</p>
Corrective Measures	<p>Jungheinrich is contacting known owners and suppliers of affected lift trucks to warn them of the risks and provide guidance on how to reduce and mitigate risks.</p> <p>Jungheinrich have also initiated a programme of voluntary corrective action to retro-fit a fuel system modification kit to priority users worse affected by vaporiser contamination issues. Users should note that although the kit will reduce the likelihood and mitigate the consequences of a fire occurring, the risk is not completely eliminated. Users should continue to exercise caution and follow the advice given by the manufacturer.</p> <p>Any owners and users of affected Jungheinrich lift trucks who have not been contacted are advised to contact Jungheinrich or the supplying dealer for further advice.</p> <p>The Health and Safety Executive (HSE) has issued a safety notice informing users and persons supplying, inspecting and maintaining LPG powered vehicles of the risk of fire in certain conditions and measures to take. This can be accessed from:</p> <p>https://www.hse.gov.uk/safetybulletins/forklift-fires.htm</p> <p>Jungheinrich is also notifying users of these alerts via their website at: https://www.jungheinrich.co.uk/about-us/press-events/press-releases/lpg-safety-bulletin-1352012</p> <p>Users of any other industrial lift truck or other LPG powered vehicle fitted with the IMPCO C-Series vaporiser are also advised to contact the manufacturer or supplying dealer for further advice.</p> <p>Owners and users of other makes and models of LPG-powered lift trucks and vehicles incorporating other vaporiser designs may also experience fuel system problems due to LPG composition and should take note of the general advice given.</p>
Online Marketplace	Not applicable
Notifier	Health and Safety Executive