

Supichaya Boobwan 2010: Factors Affecting Accident of a Vehicle Routing in Warehouse Case Study: Linfox M Logistics (Thailand) Ltd. Master of Engineering (Safety Engineering), Major Field: Safety Engineering, Interdisciplinary Graduate Program. Thesis Advisor: Associate Professor Prapaisri Sudasna-na Ayudhya, Ph.D. 140 pages.

The study of Factors affecting accident of a Vehicle Routing in Warehouse conducted by analyzing the relationship between interested factors and occurrence of the accident. The data were collected from questionnaires and classified as human factors, behavior factors, management factors, machinery condition factors and driver's work environment factors from accident victims and general workers in total of 70 samples.

The summary result of this analysis indicated that the first factor affected in accident is driving behavior, i.e drive over speed limit, use mobile phone while driving, ill while driving, alcohol and drug. The second factor is management including pre-start inspection, preventive maintenance plan, provide operation manual, work comply with operation manual, periodically review safety rules, reinforce and punishment procedure if break the rules, clearly safety policy on site, provide safety training course and refresh plan. The third factor is machinery condition including battery socket is in good condition, and also test results of lifting unit and horn are in good conditions.

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Student's signature

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Thesis Advisor's signature