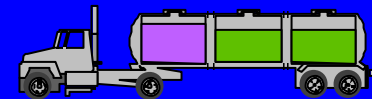


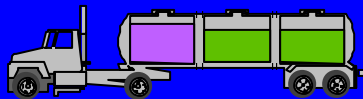
Working at Heights - What this means for the tanker industry

Neil Austin
HBL Chemtrans



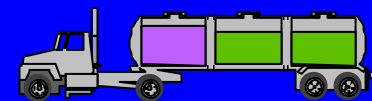
Tankers

- Victorian tanker registrations 3,676
- Nationally possibly 10,000
 - Across liquid and dry bulk



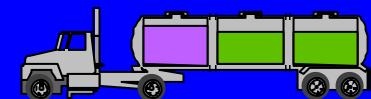
National Bulk Tanker Association

- 27 members
- Operators and suppliers
- Spread across chemicals, fuel, food and gas
- Strong DG coverage
- www.nbta.com.au



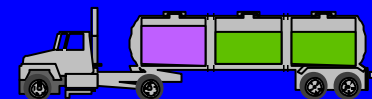
Tank Top survey – existing fleets

- Conducted late in 2001
- Covered 15 members
 - 1218 tankers
 - 23% had handrails or other safety devices fitted
 - Some 900 have no safety devices fitted
 - Potentially a \$4 million plus compliance bill



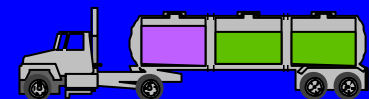
New tanker equipment

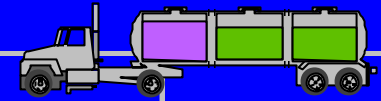
- Survey of supplier members
 - Around 70% of new equipment requires top access
 - Some new technology allows bottom access
 - Around 70% of petroleum and food grade tankers being supplied with safety devices
 - Only a minority of dry bulk are fitting safety devices



Implications for equipment

- Not all tankers need top access
- Some new gear is being built with top access but without safety devices fitted
 - Possibly 25% or more
- ISO tanks are an issue
 - A growing proportion of liquids carried this way
- No one solution fits all
 - Gas, food, chemicals, petroleum





MECHANISM OF INJURY	Total	%		
	\$ m			
Being hit by moving objects	\$ 0.6	8		
Biological				
Body stressing	\$ 3.3	49		
Chemical and substances				
Falls	\$ 1.7	25		
Heat radiation and electricity	\$ 0.1	1		
Hitting objects	\$ 0.2	3		
Mental	\$ 0.2	3		
Other	\$ 0.7	11		
Sound and pressure				
TOTAL	\$ 6.8	100		
Note:				
615 claims for a total bill of \$6.78 million equates to \$11,000 per claim on average				
Three recorded falls from tankers with negligible claims				

Implications for operators, customers and WorkCover

- There are considerable costs to fit safety devices
 - Over \$4 million for NBTA members alone
- The WorkCover record does not point to a major issue
- No one solution stands out
- Customers need to play their part

