NAR Data Breakdowns
12 Months Ending 30 June 2010

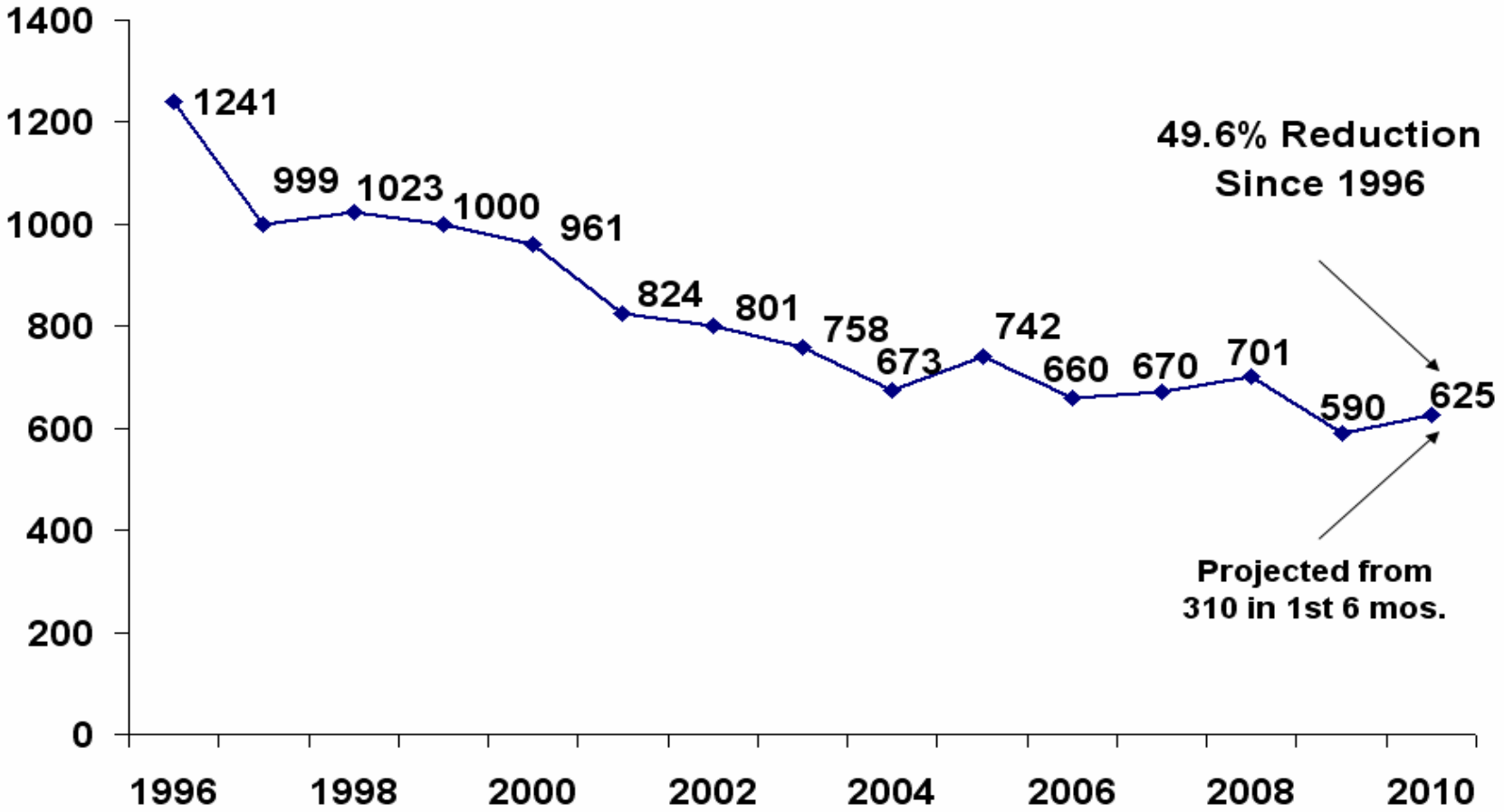
October 20, 2010

Source of data: AAR/BOE Hazardous Materials Release Reporter Database
& Annual Hazmat Reports

Todd Treichel
ttreichel@aar.org
http://www.nar.aar.com

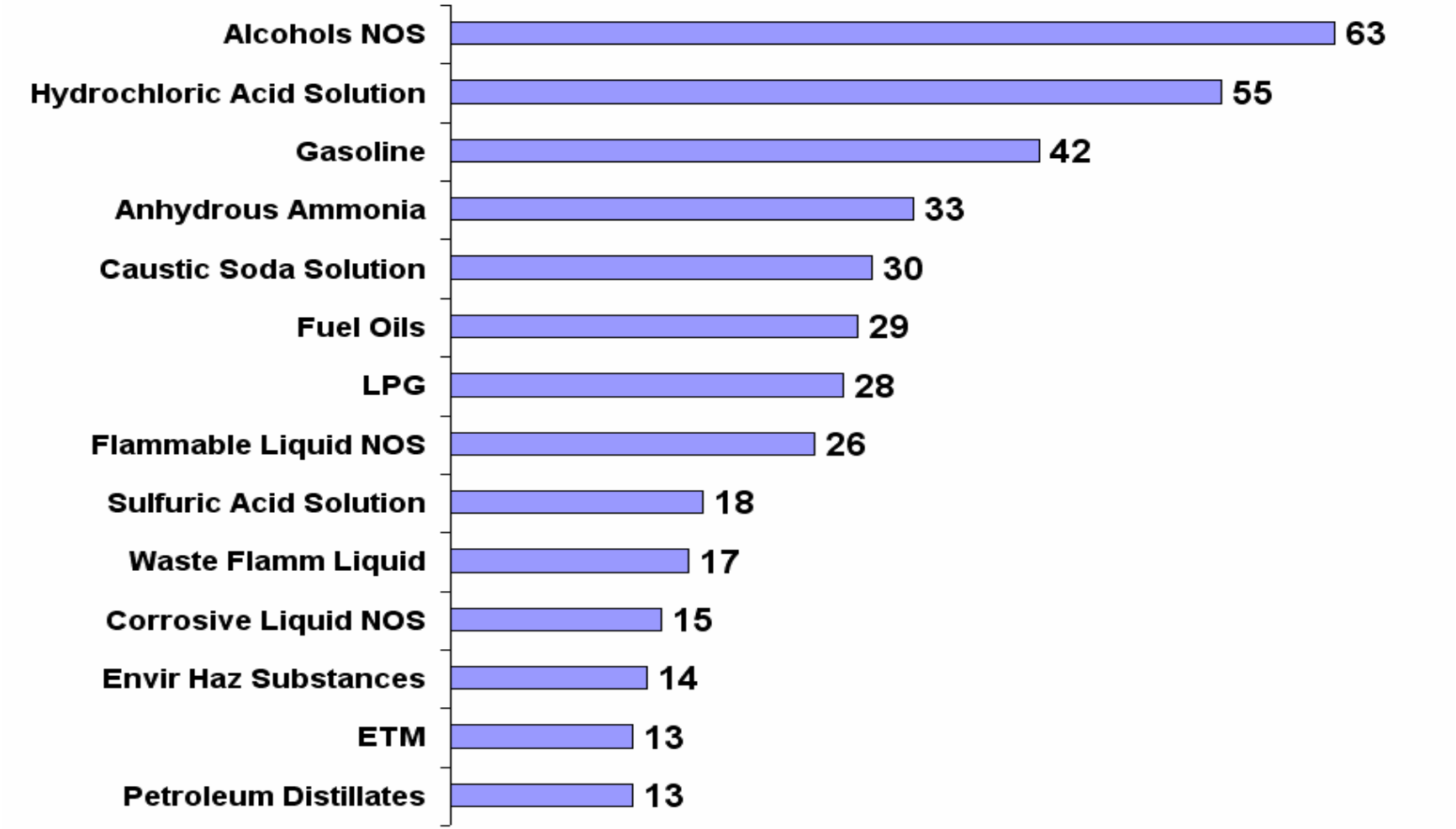
NARs by Year

US & Canada



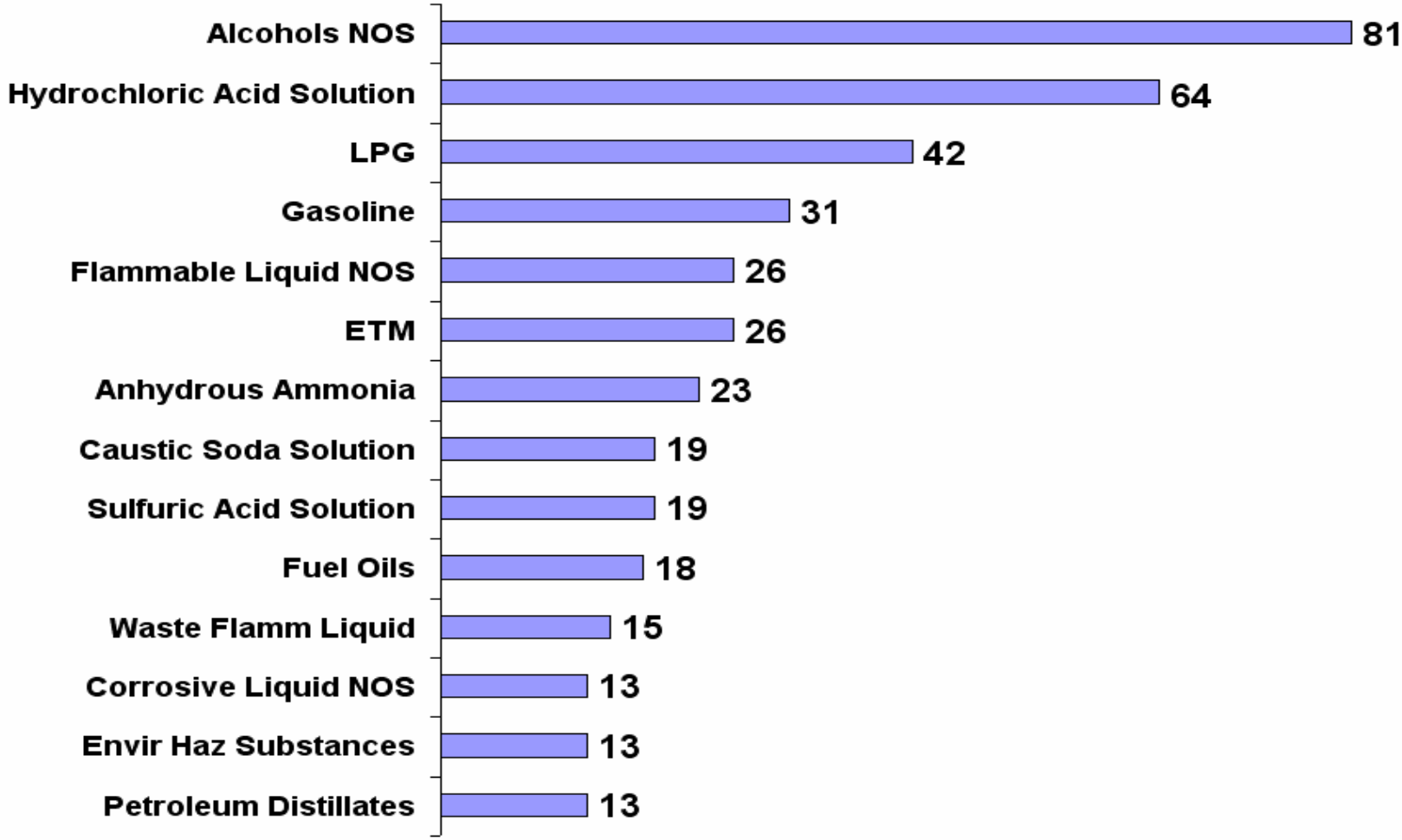
Source: AAR/BOE NAR data

Top Commodities for NARs 2009



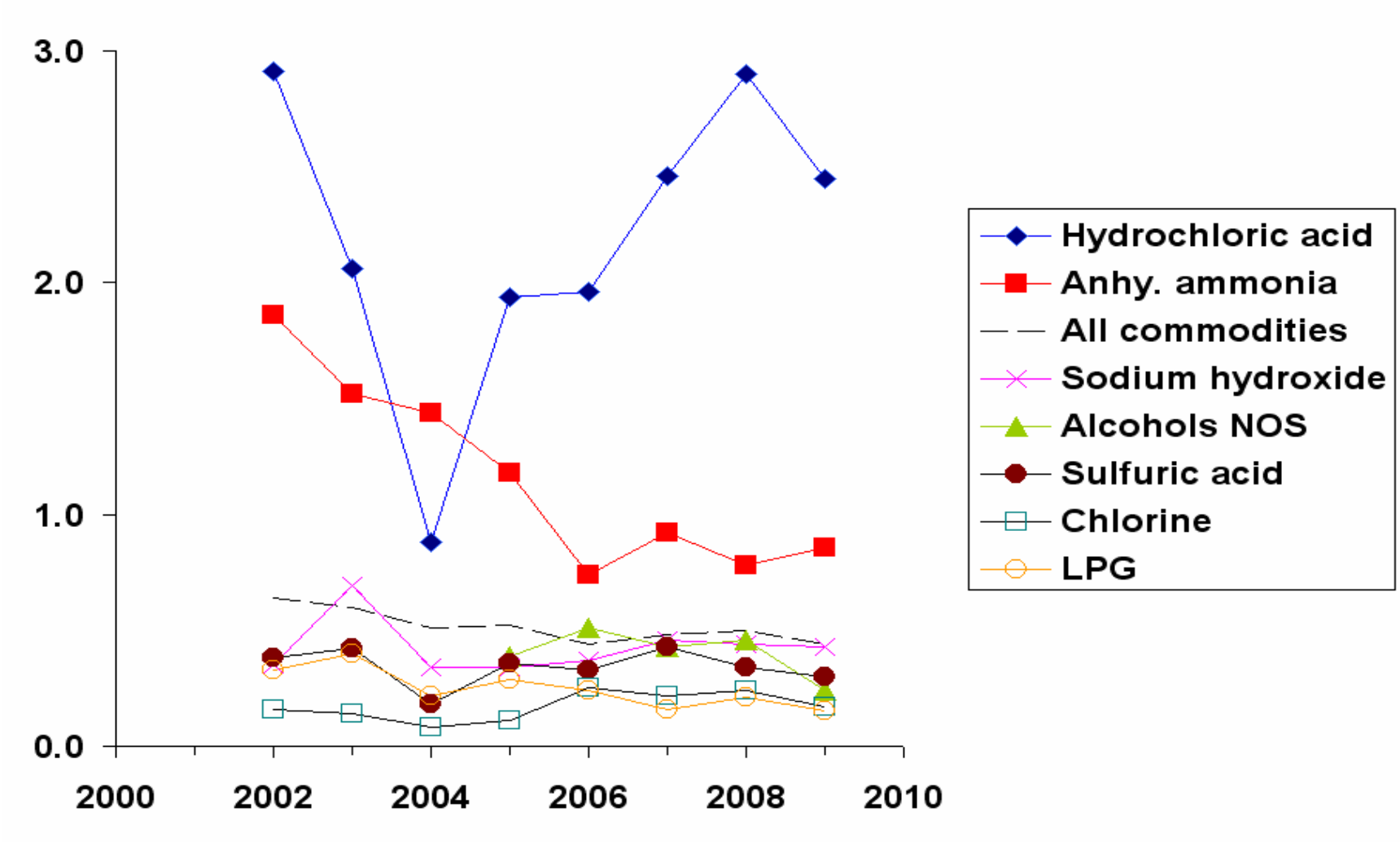
Source: AAR/BOE NAR data

Top Commodities for NARs
12 Months Ending 30 June 2010



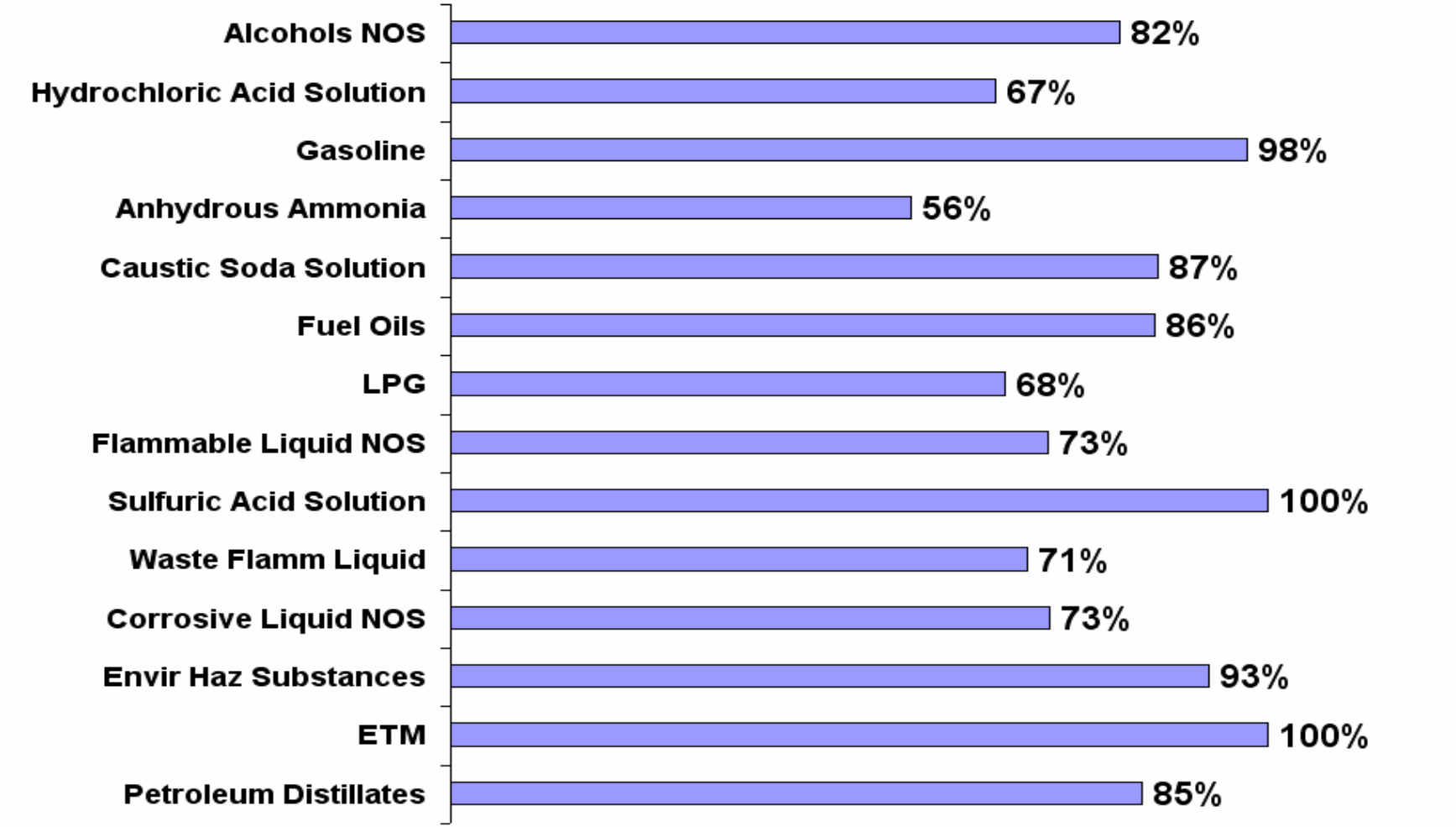
Source: AAR/BOE NAR data

NARs per 1,000 Originations
Selected Commodities



Source: AAR/BOE NAR data

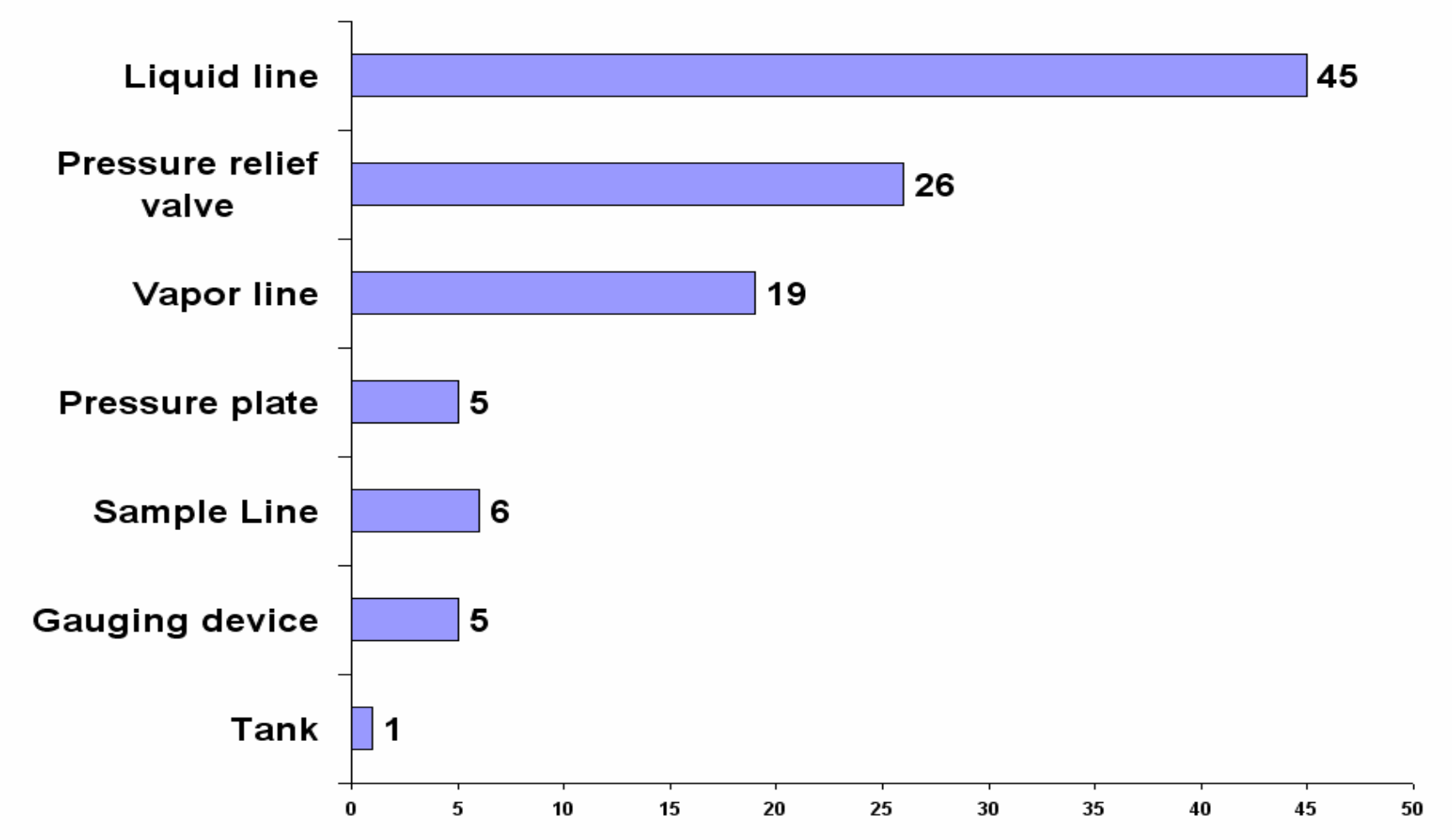
Percent of NARs Occurring on Loaded Trips - 2009



Source: AAR/BOE NAR data

Pressure Car NARs by Component

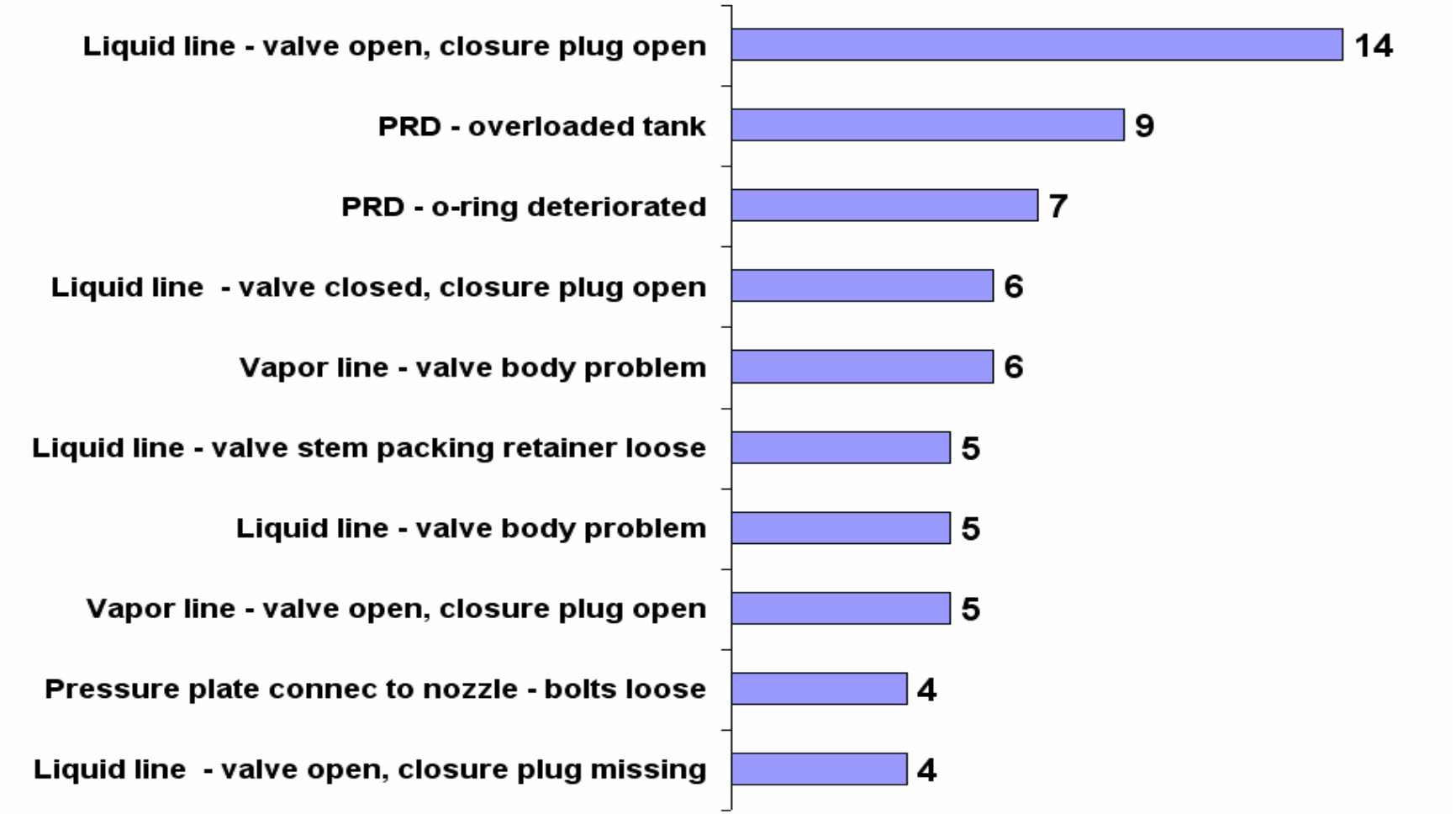
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Pressure Cars

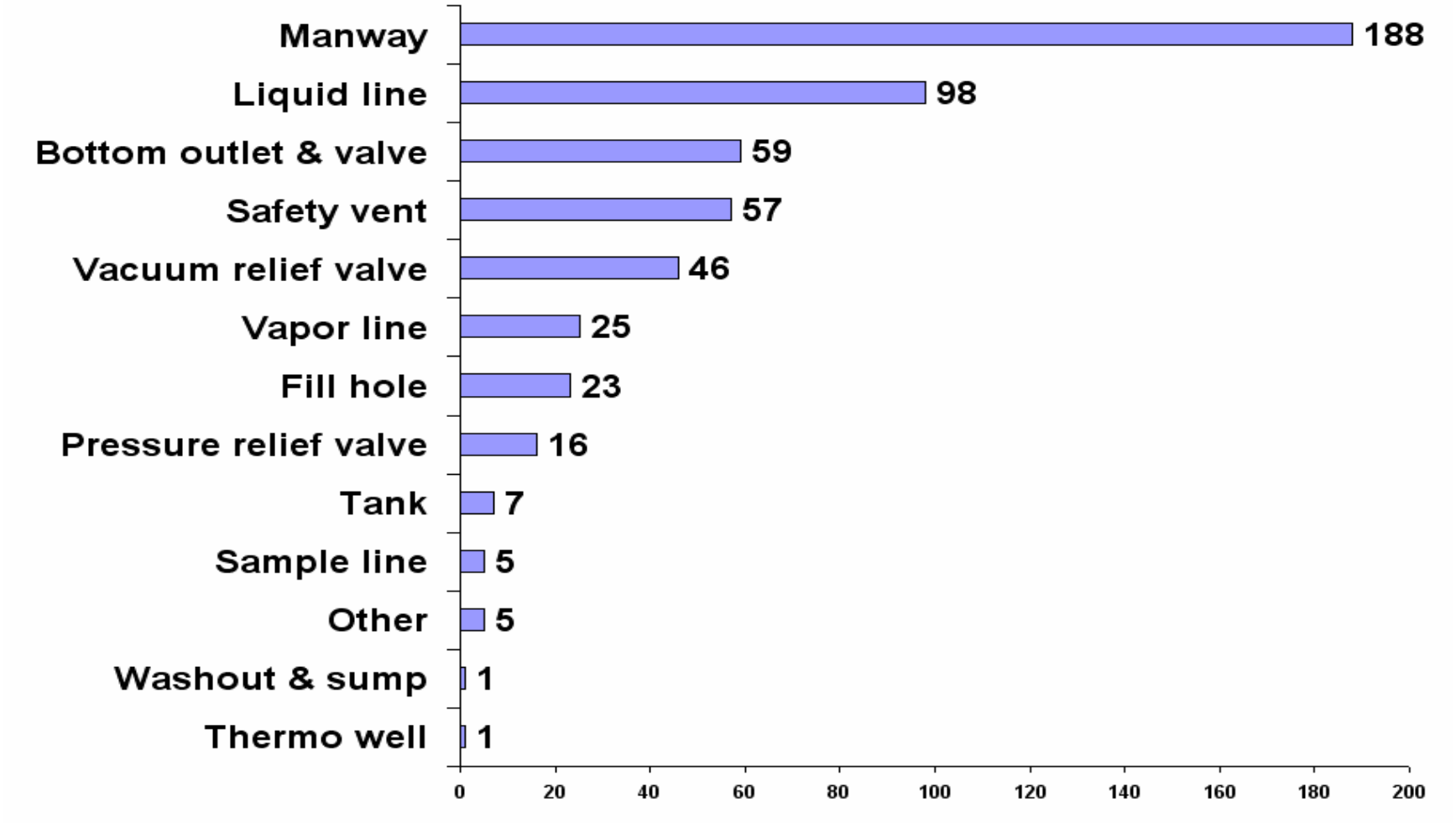
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Nonpressure Car NARs by Component

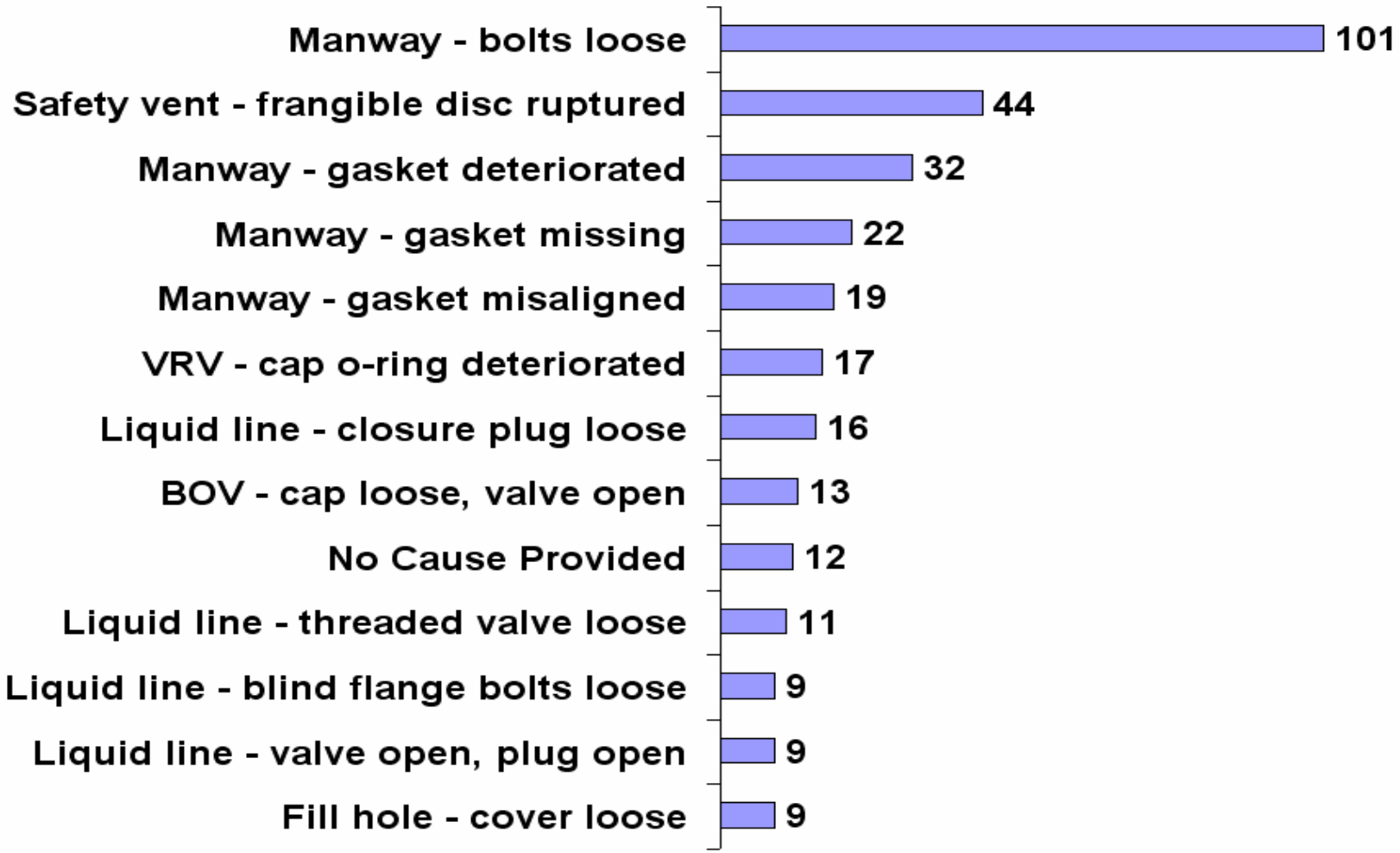
12 Months Ending 30 June 2010



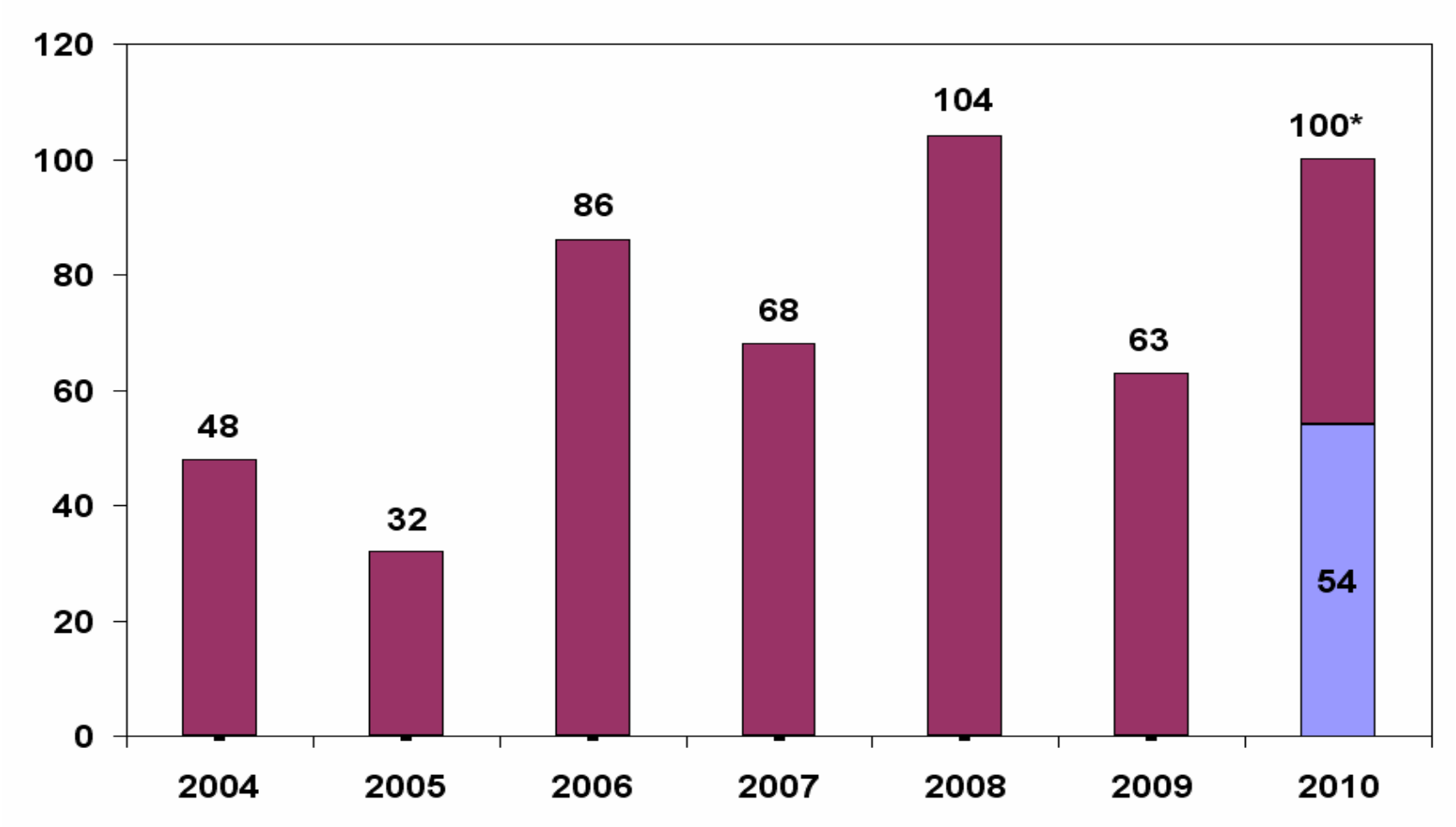
Source: AAR/BOE NAR data

Top Specific Causes for Nonpressure Cars

12 Months Ending 30 June 2010



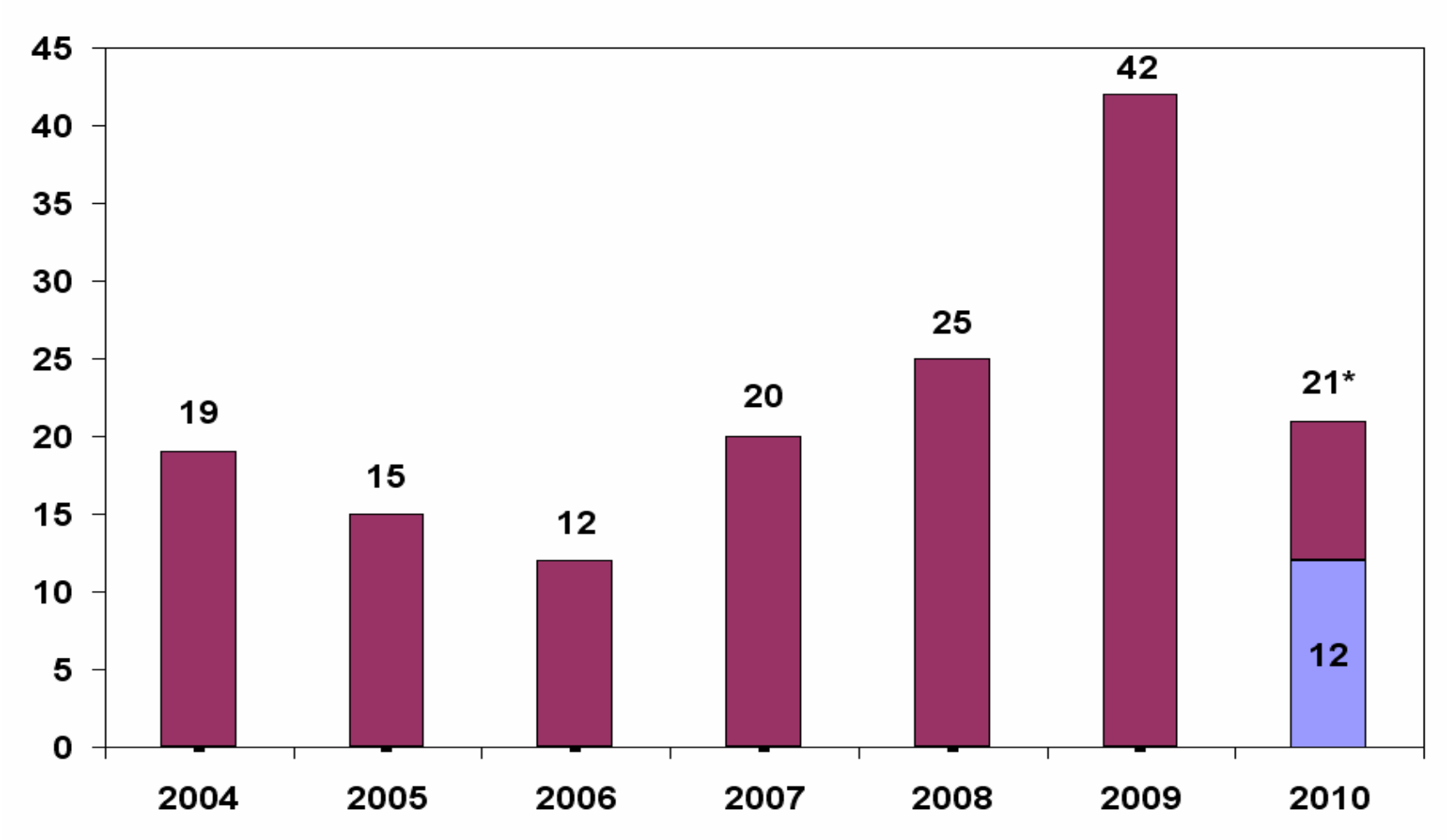
Alcohols NOS Trend



* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

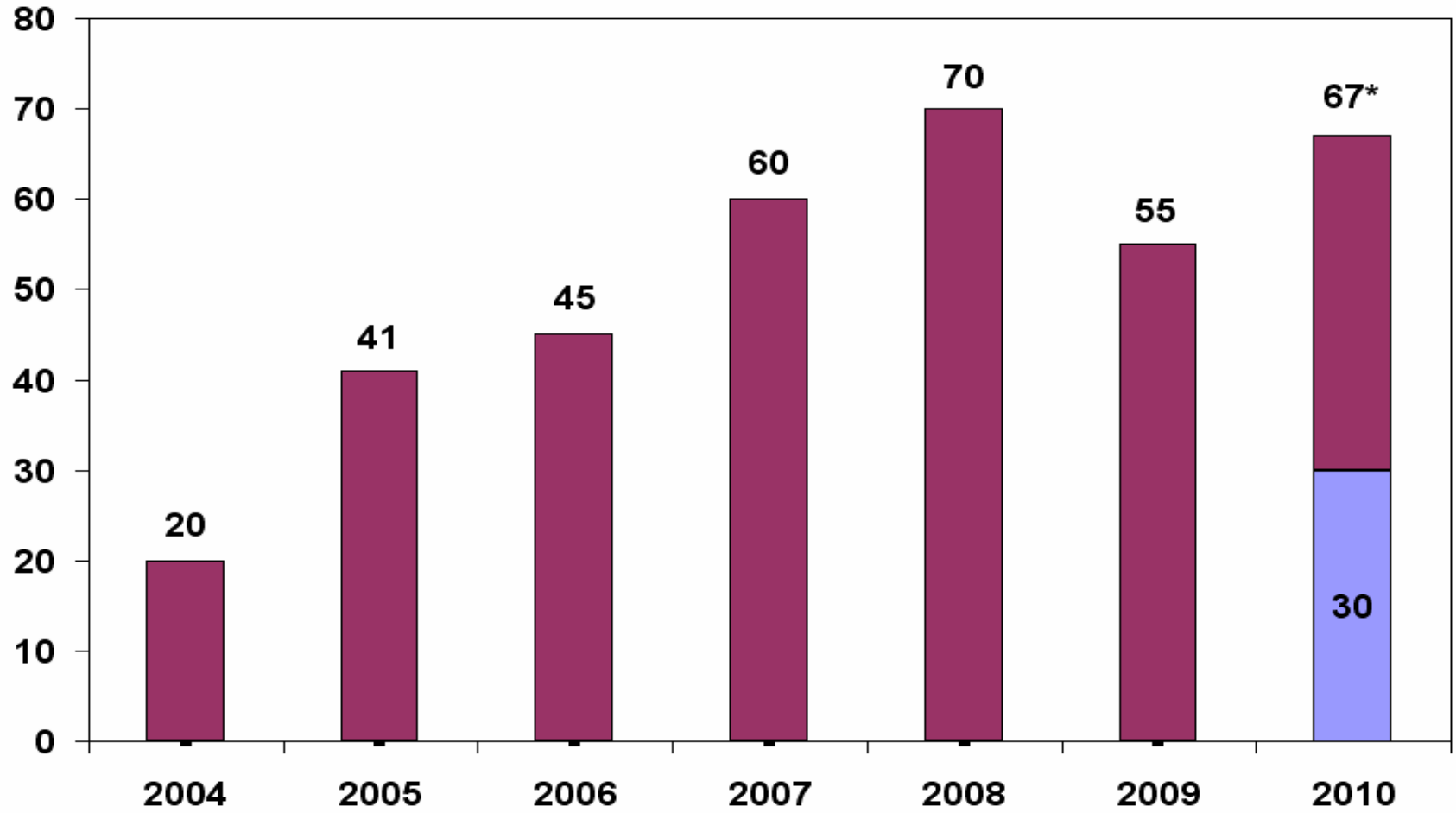
Gasoline Trend



* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

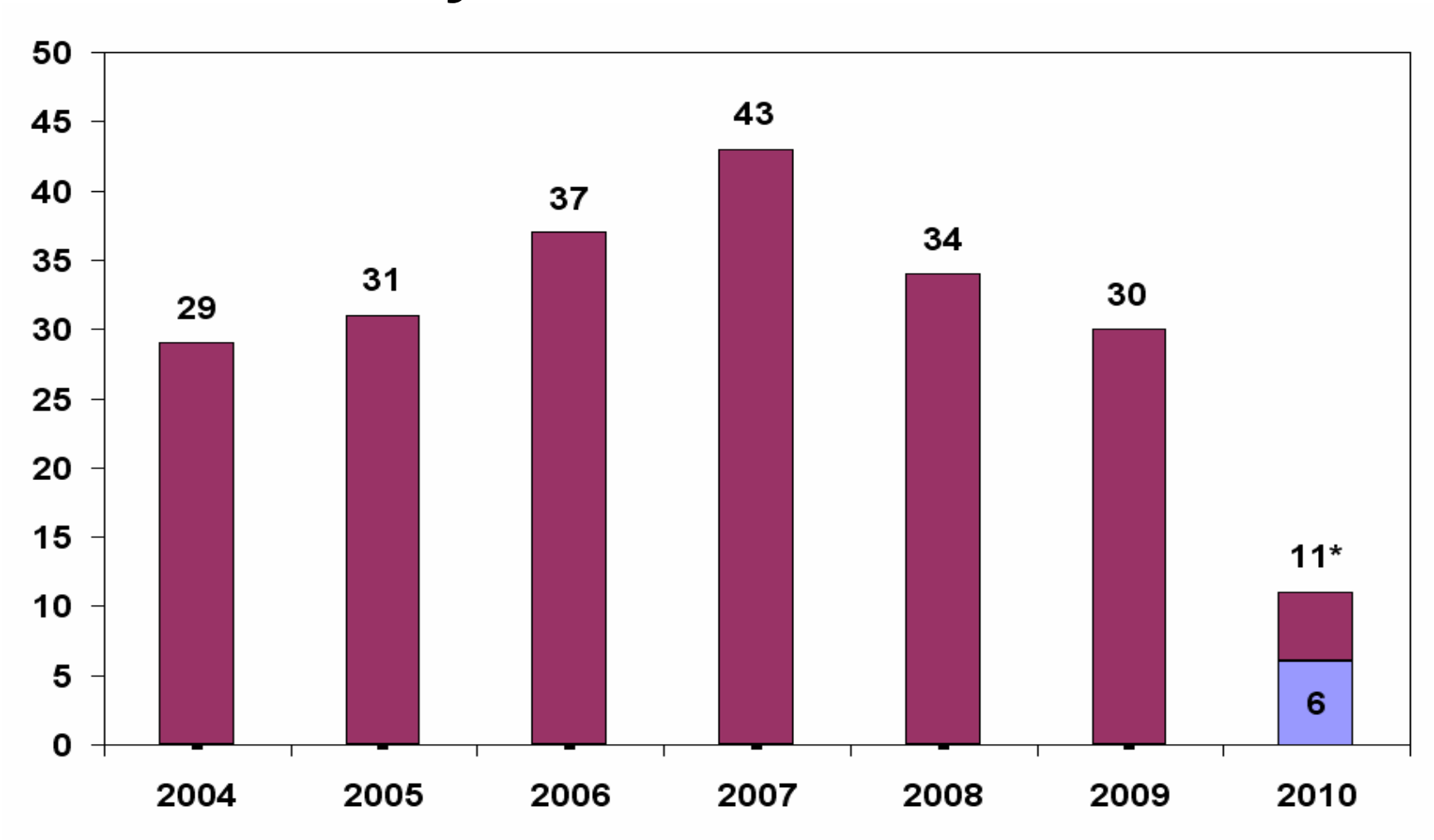
Hydrochloric Acid Solution Trend



* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

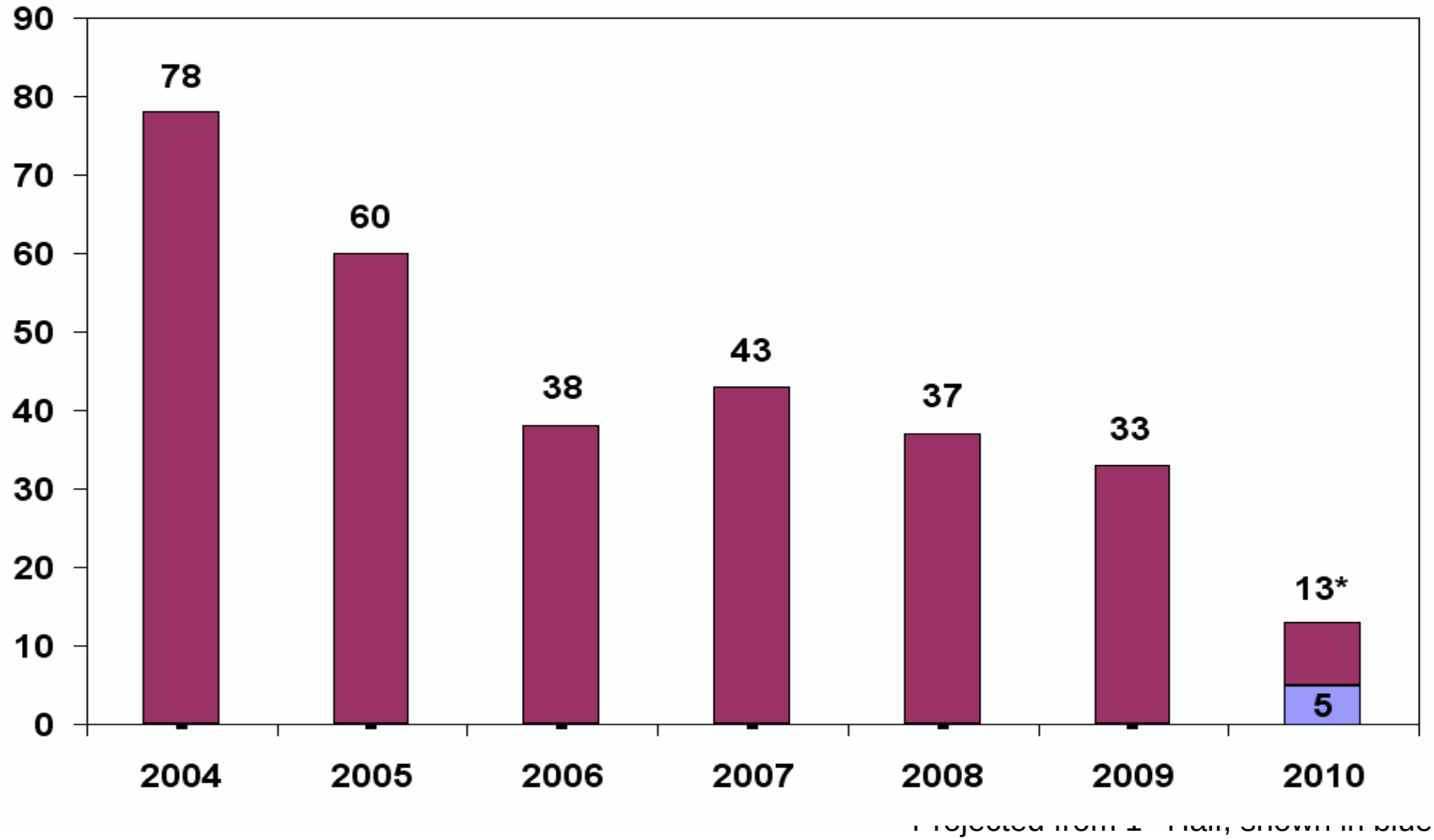
Sodium Hydroxide Solution Trend



* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

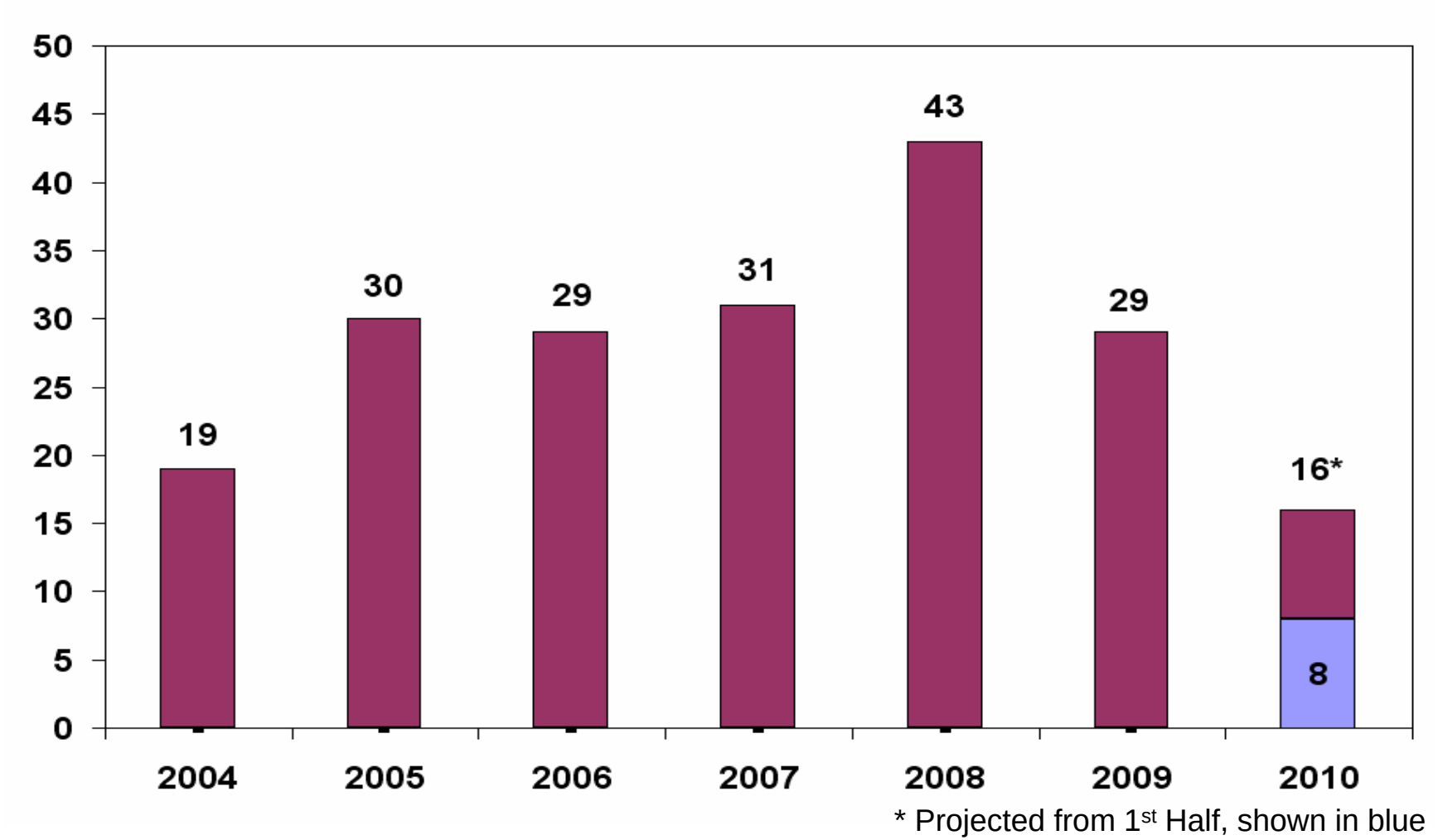
Anhydrous Ammonia Trend



Source: AAR/BOE NAR data

Fuel Oils Trend

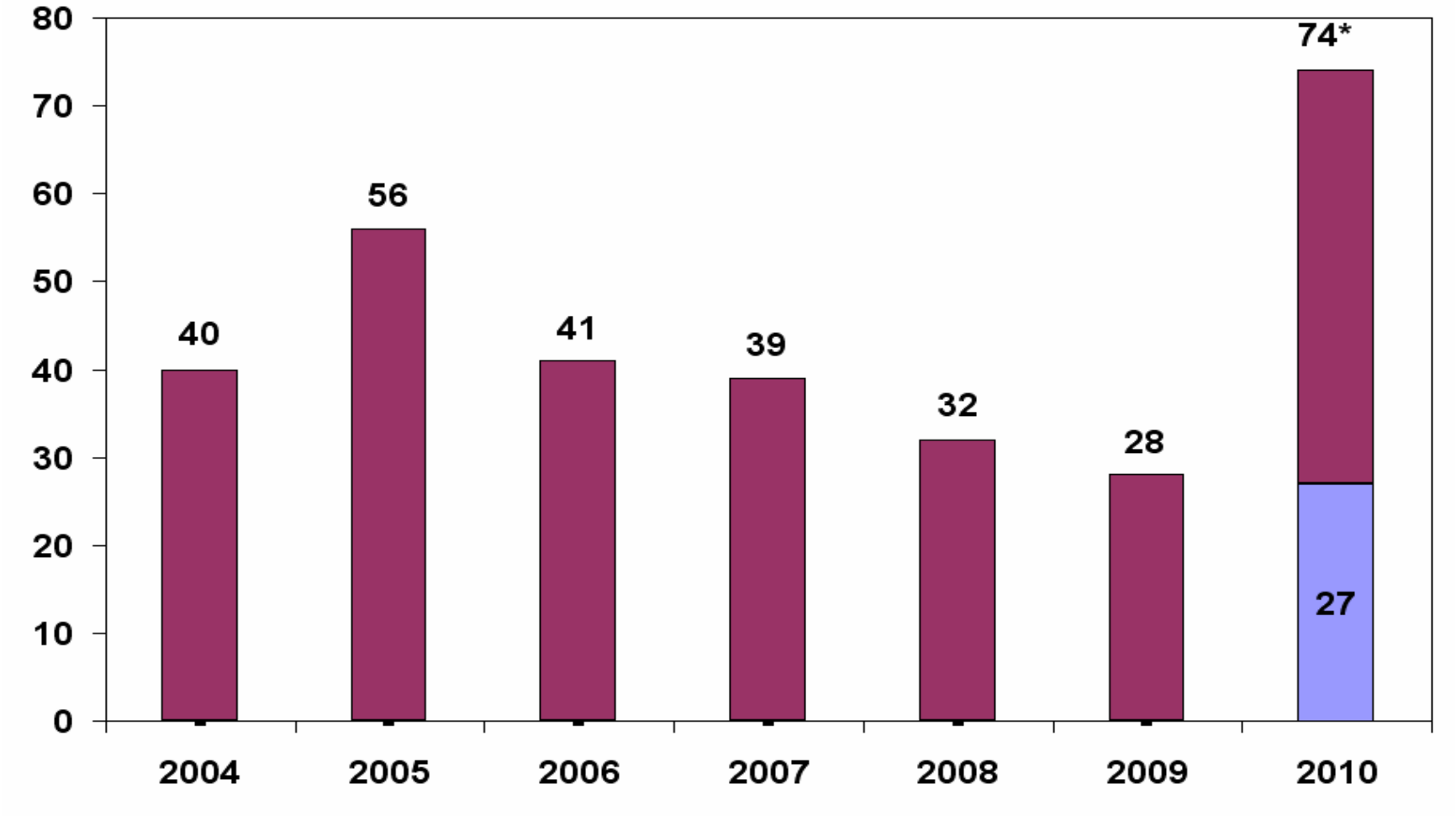
Includes Diesel Fuel, Aviation Fuel, Fuel Oil, Kerosene



* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

LPG Trend

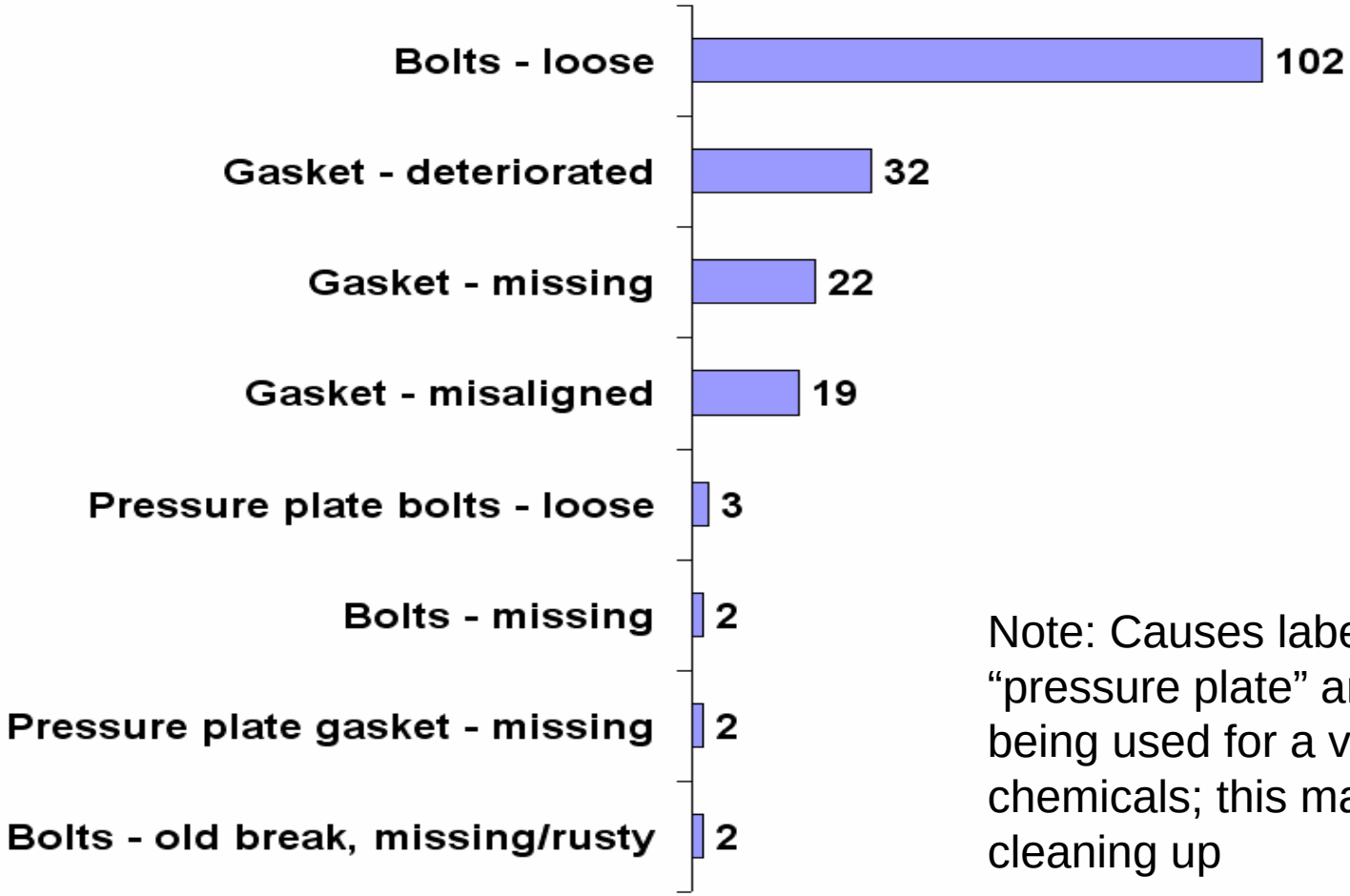


* Projected from 1st Half, shown in blue

Source: AAR/BOE NAR data

Manway Causes for Nonpressure Cars

12 Months Ending 30 June 2010

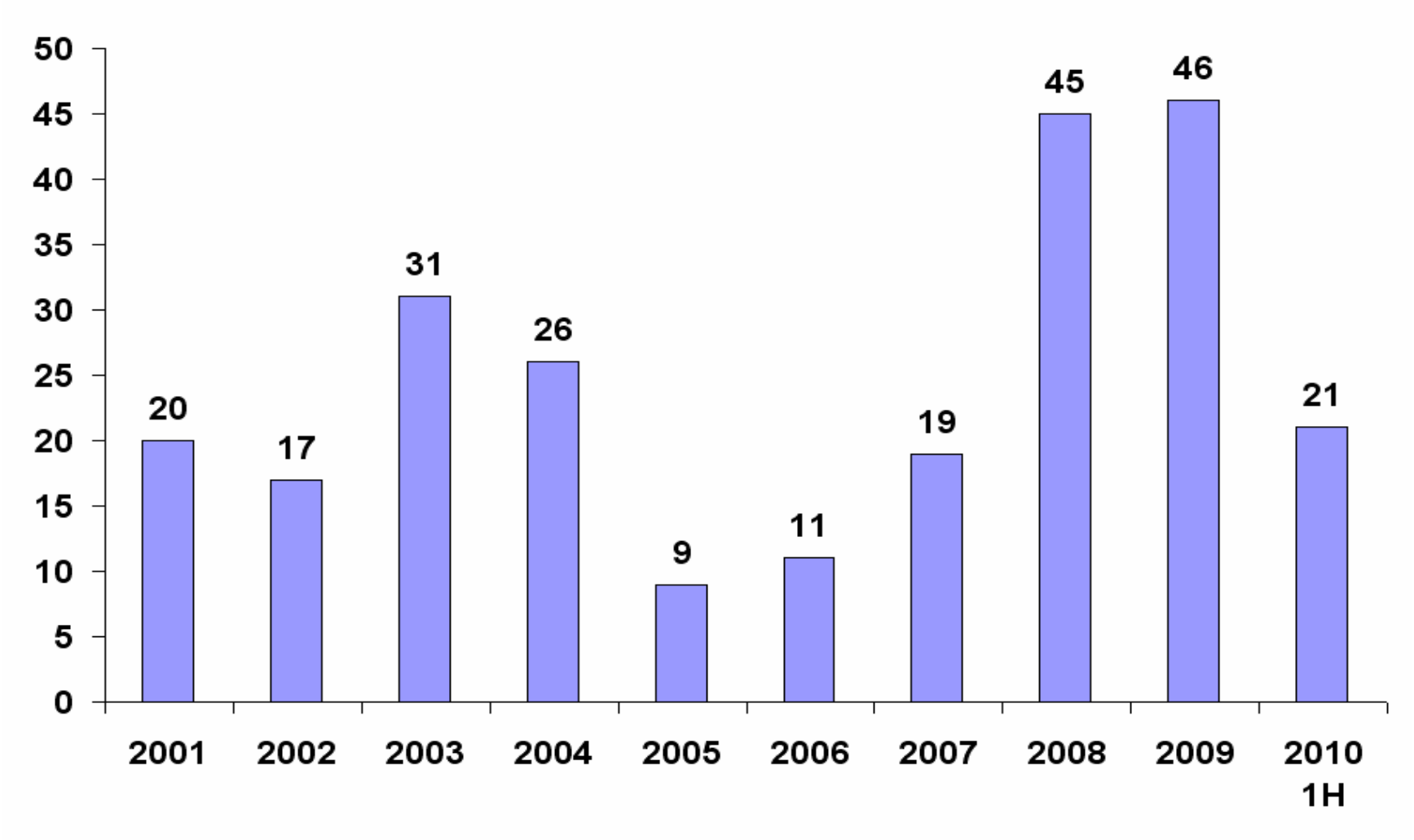


Source: AAR/BOE NAR data

Note: Causes labeled “pressure plate” are now being used for a variety of chemicals; this may need cleaning up

Vacuum Relief Valve NARs

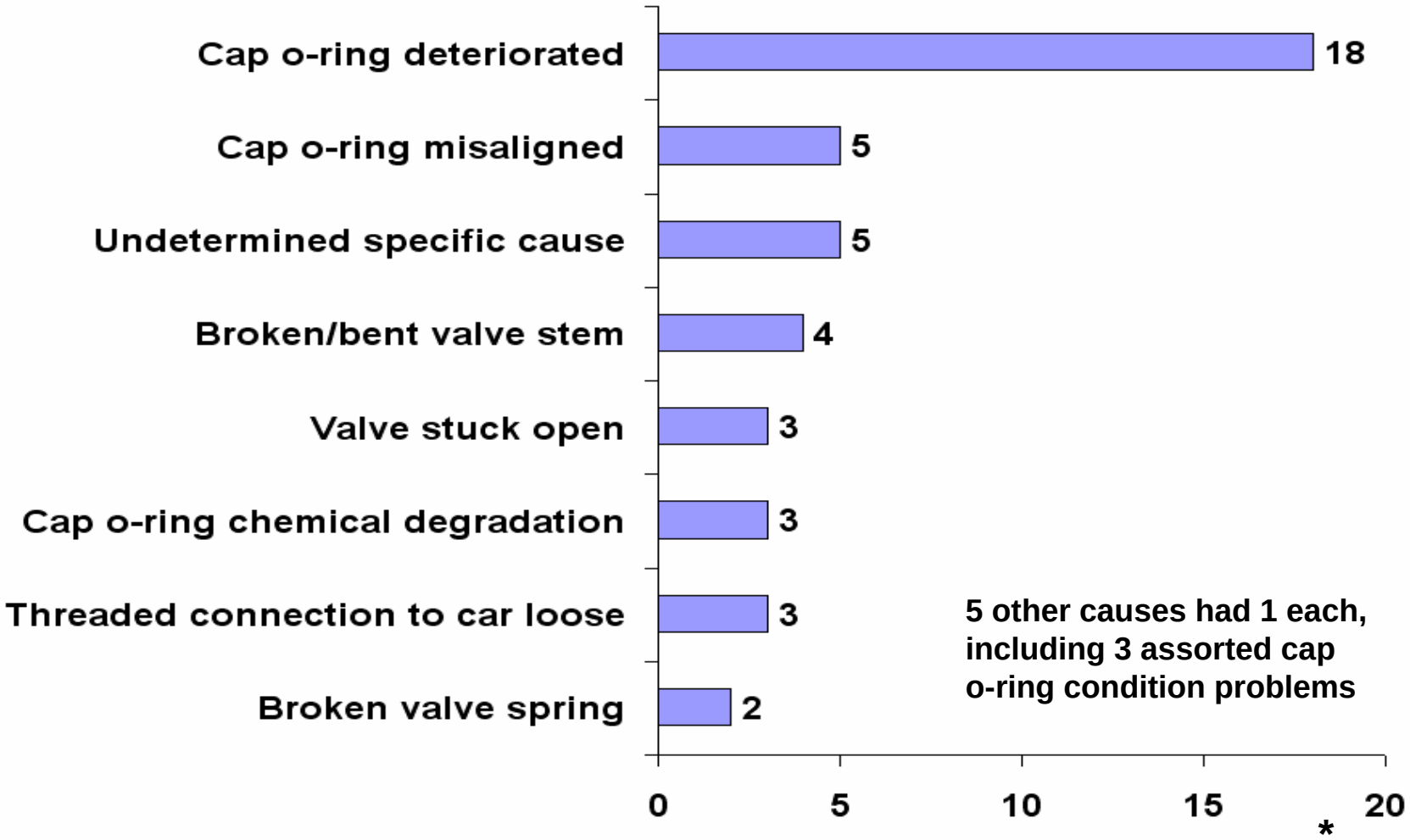
2001- 2009 and 1H 2010



Source: AAR/BOE NAR data

Vacuum Relief Valve NAR Causes

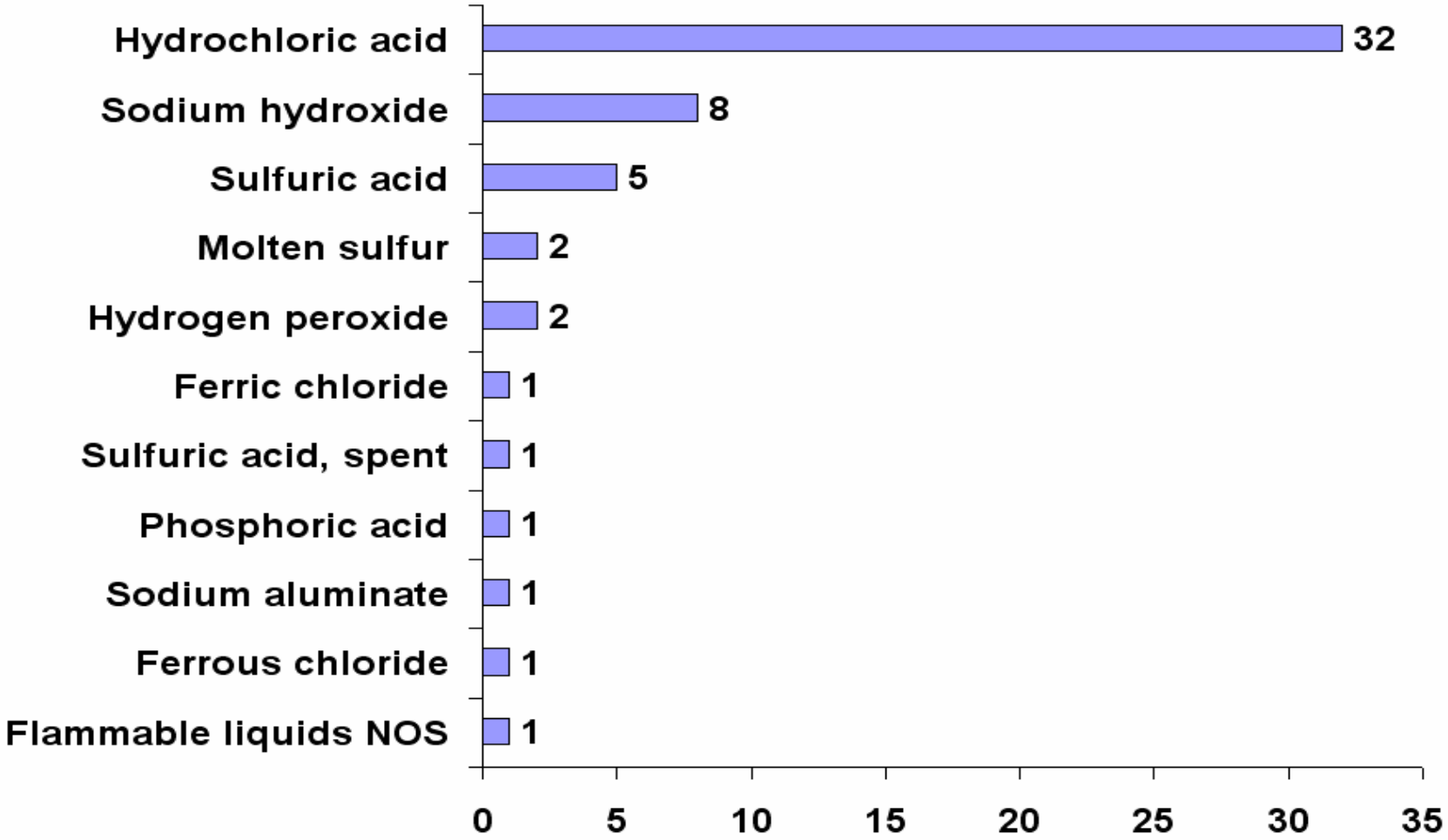
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

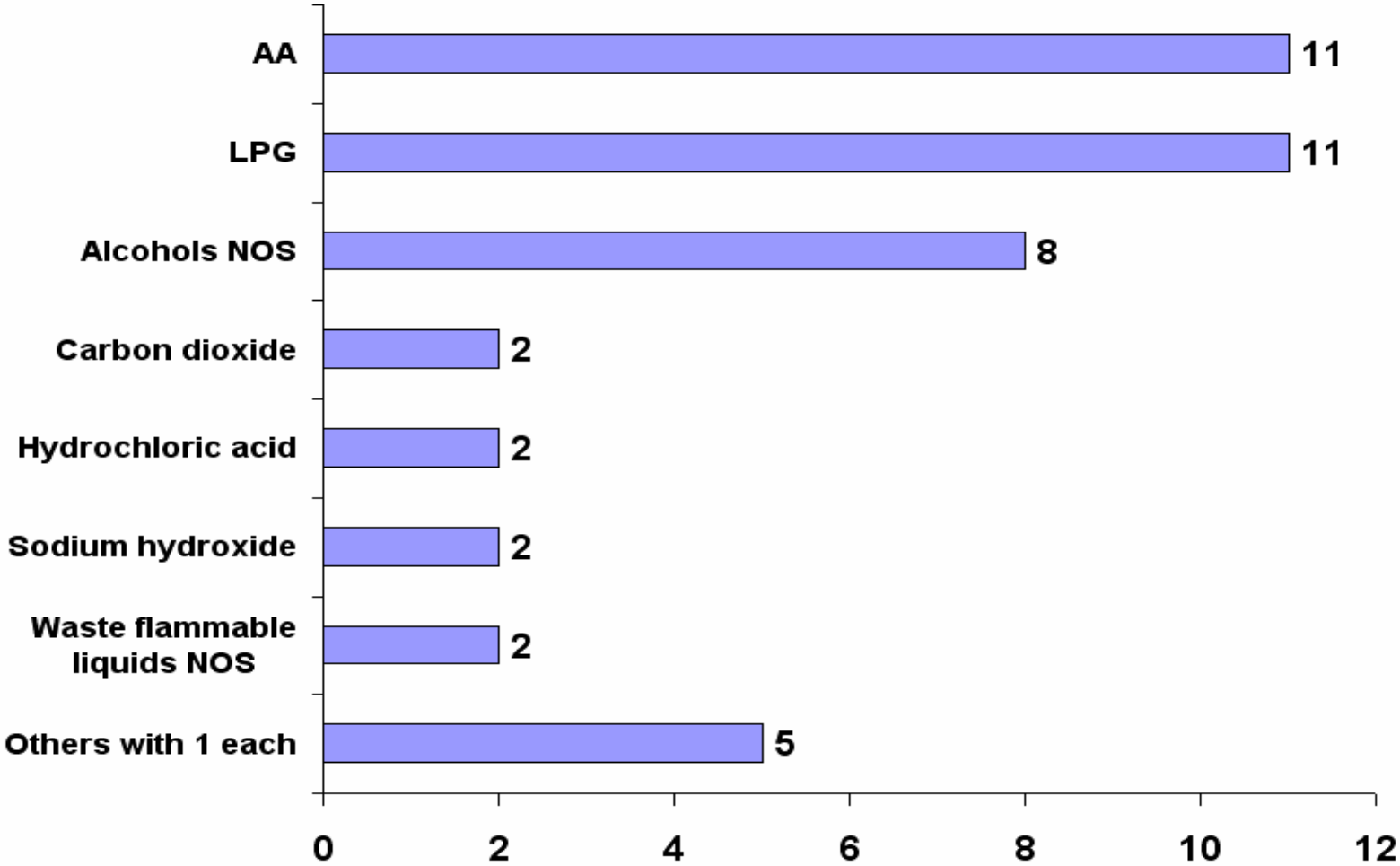
Frangible Disc NARs by Commodity

12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

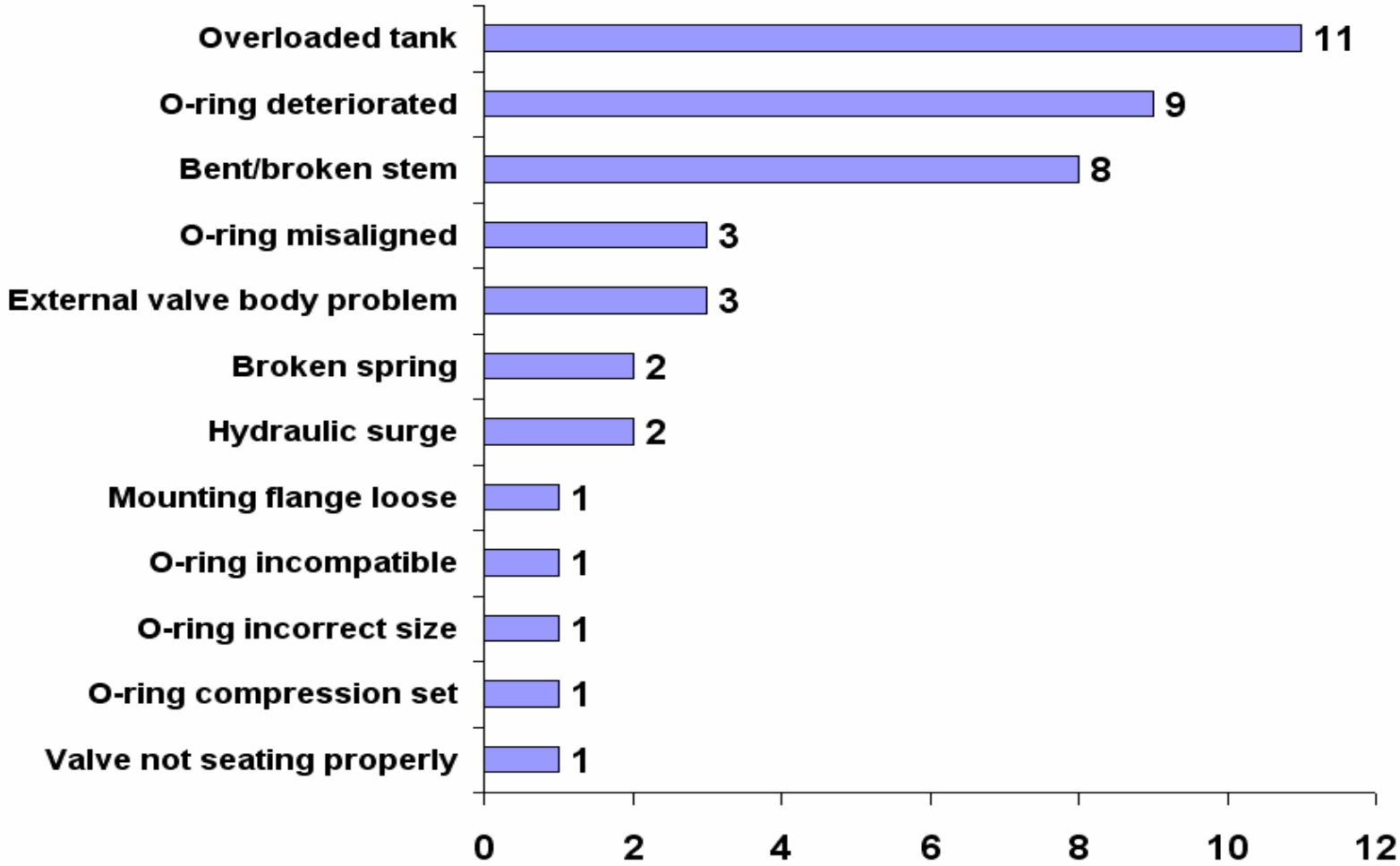
PRV NARs by Commodity
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

PRV NARs by Cause

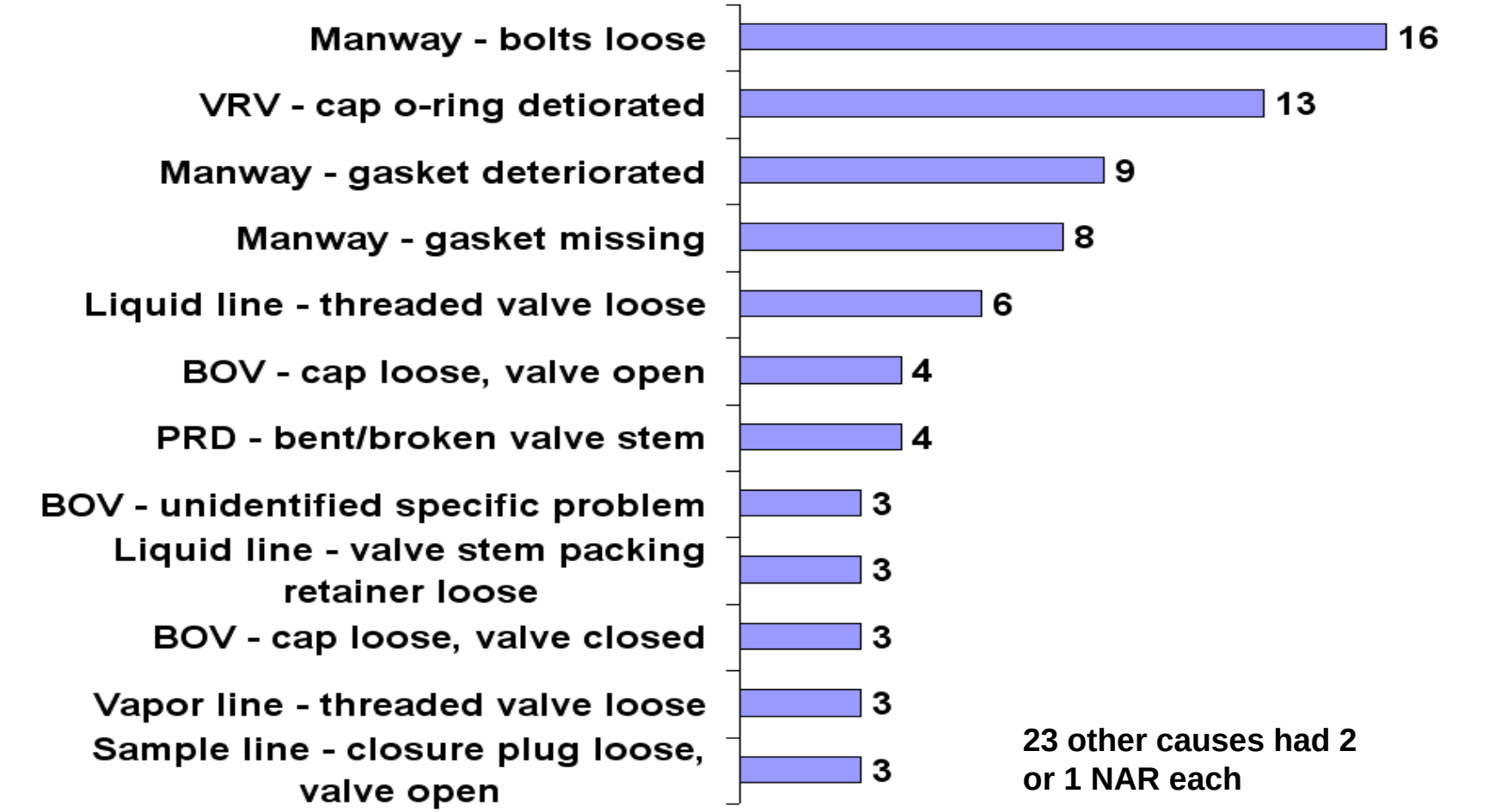
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Alcohols NOS

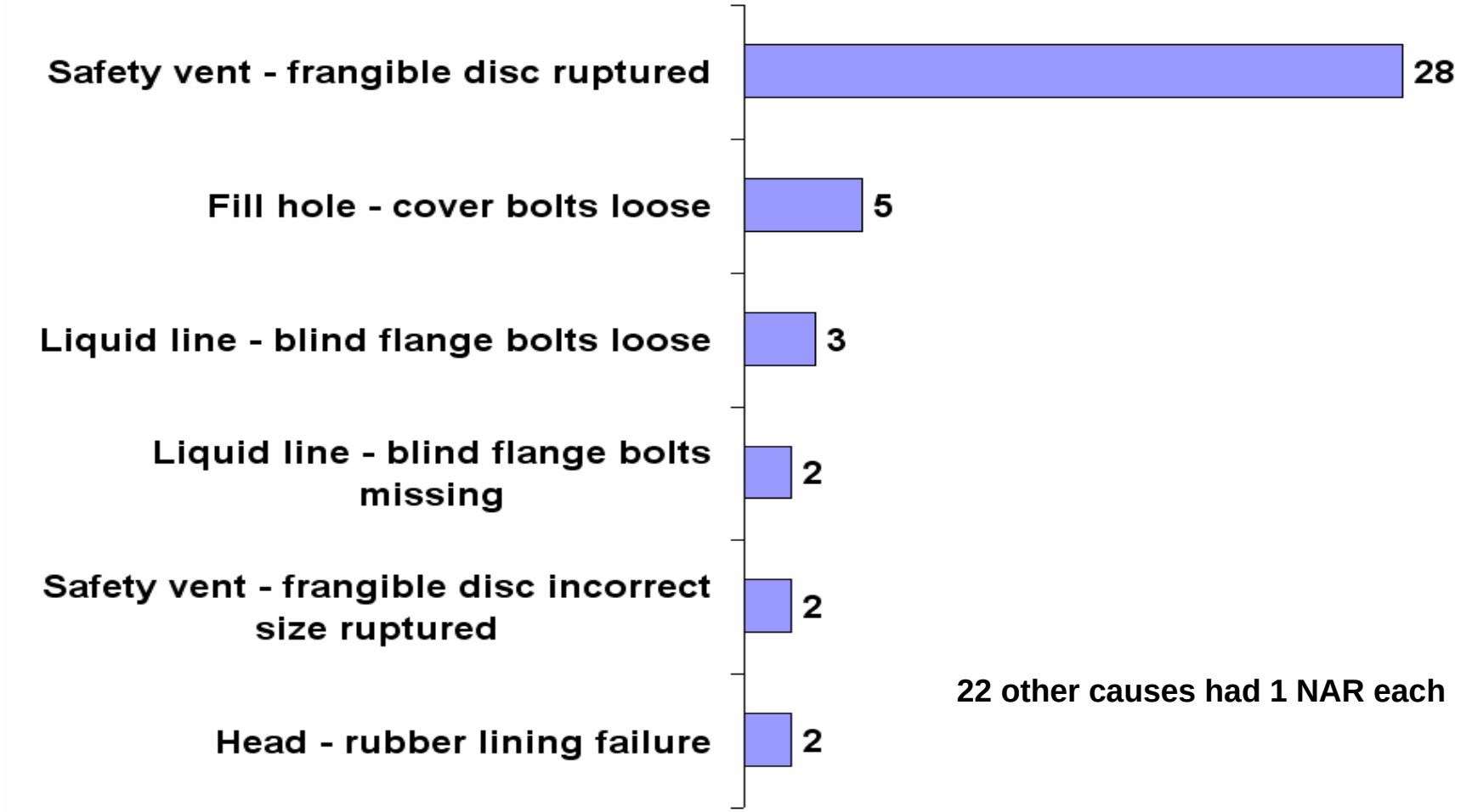
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Hydrochloric Acid Solution

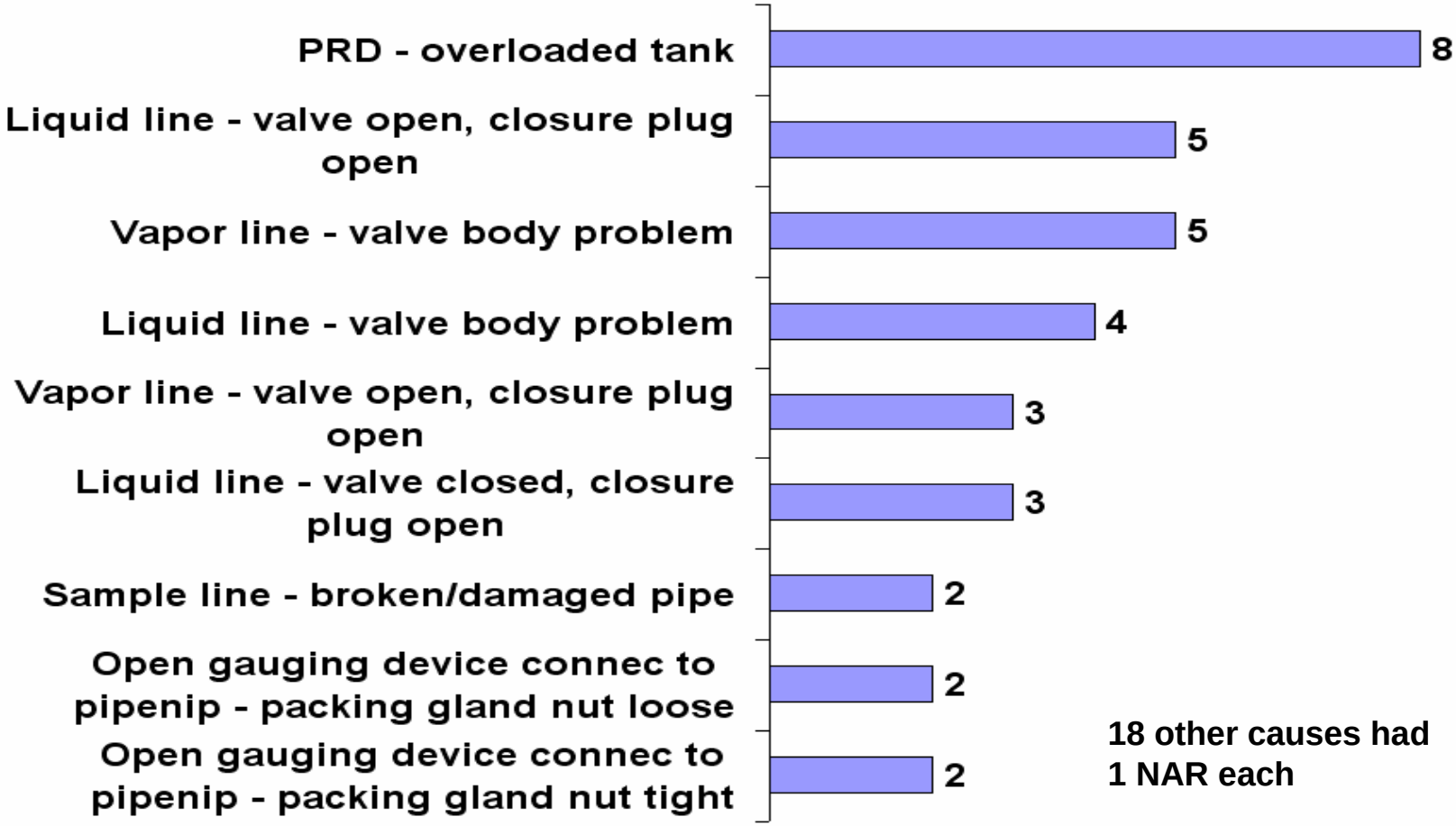
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Liquefied Petroleum Gases

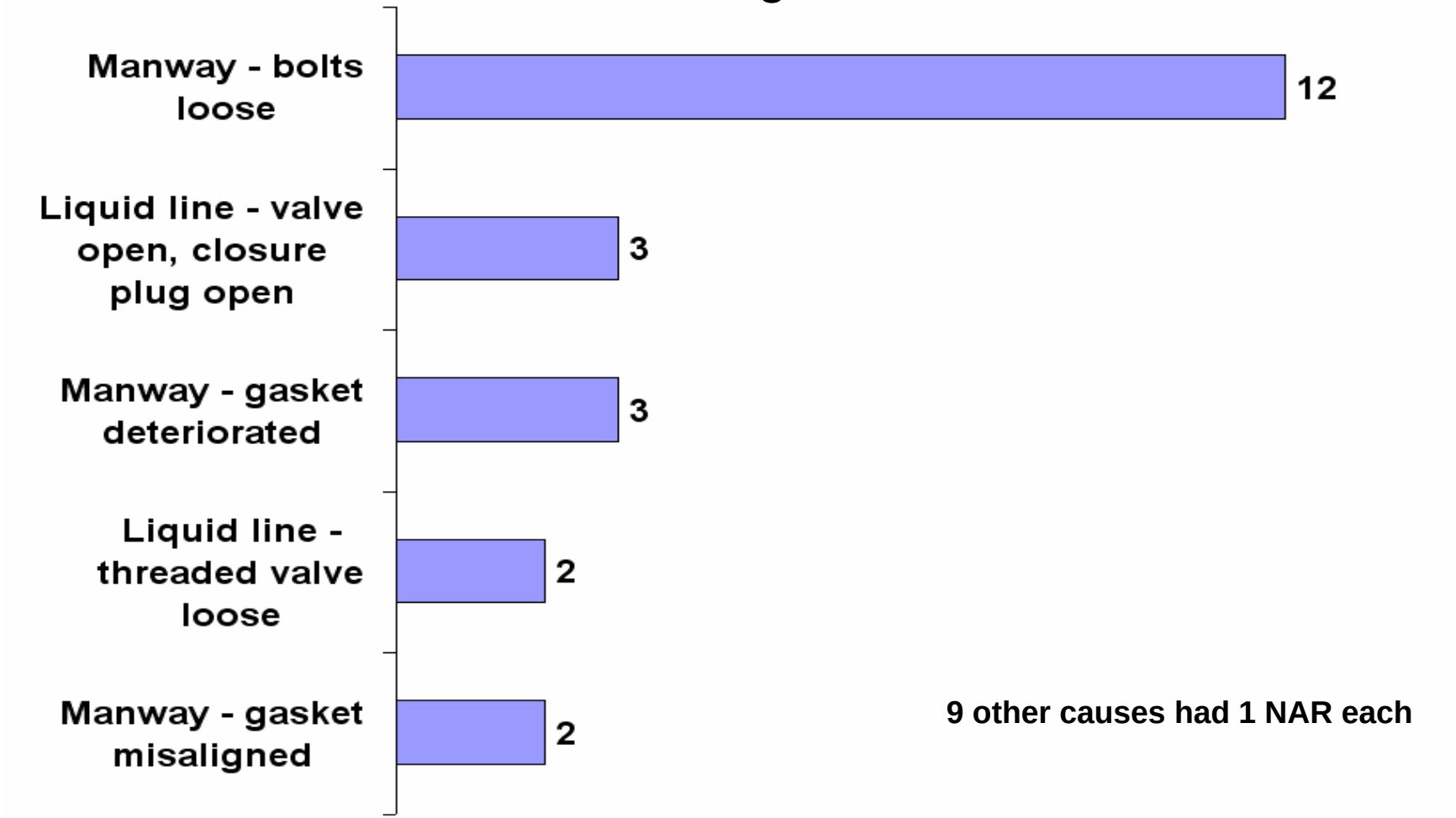
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Gasoline

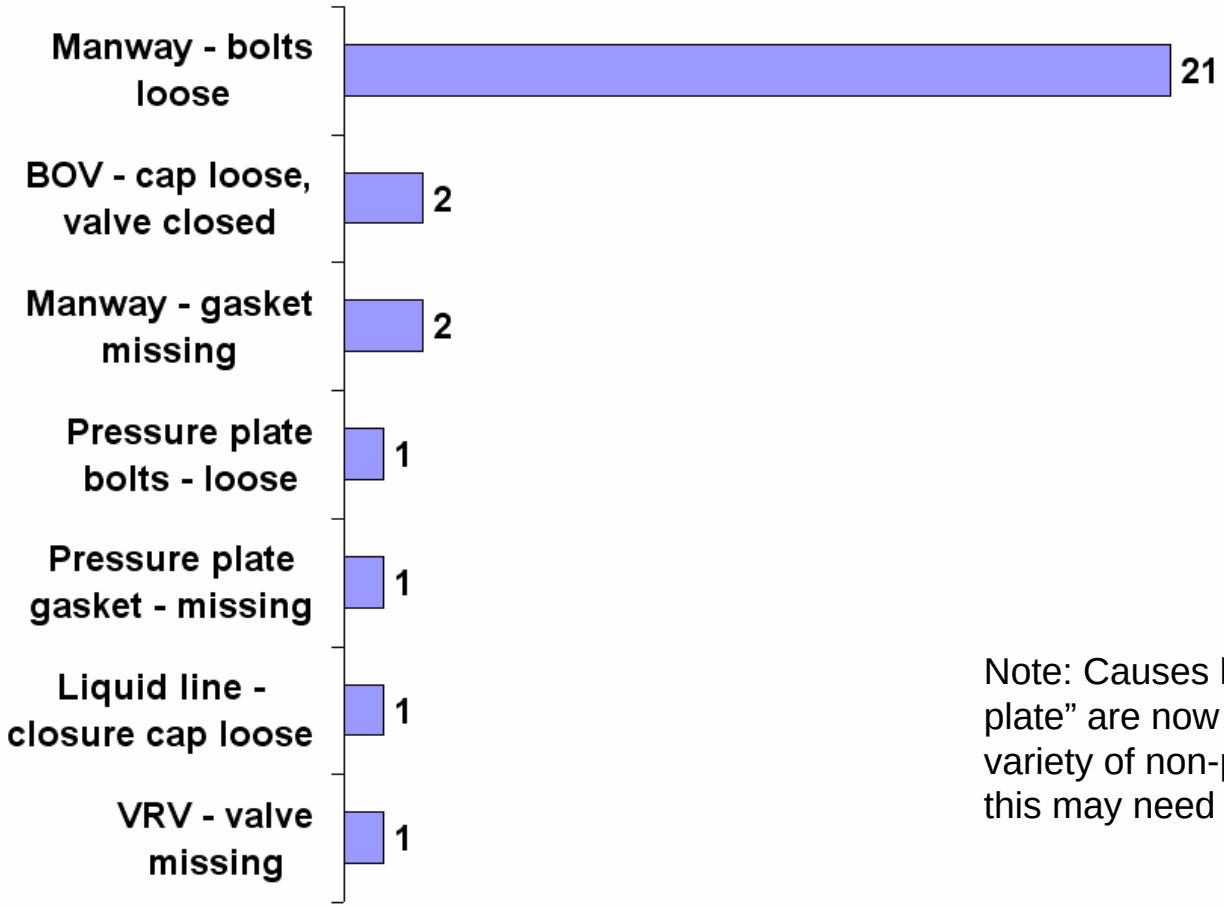
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Elevated Temperature Materials

12 Months Ending 30 June 2010

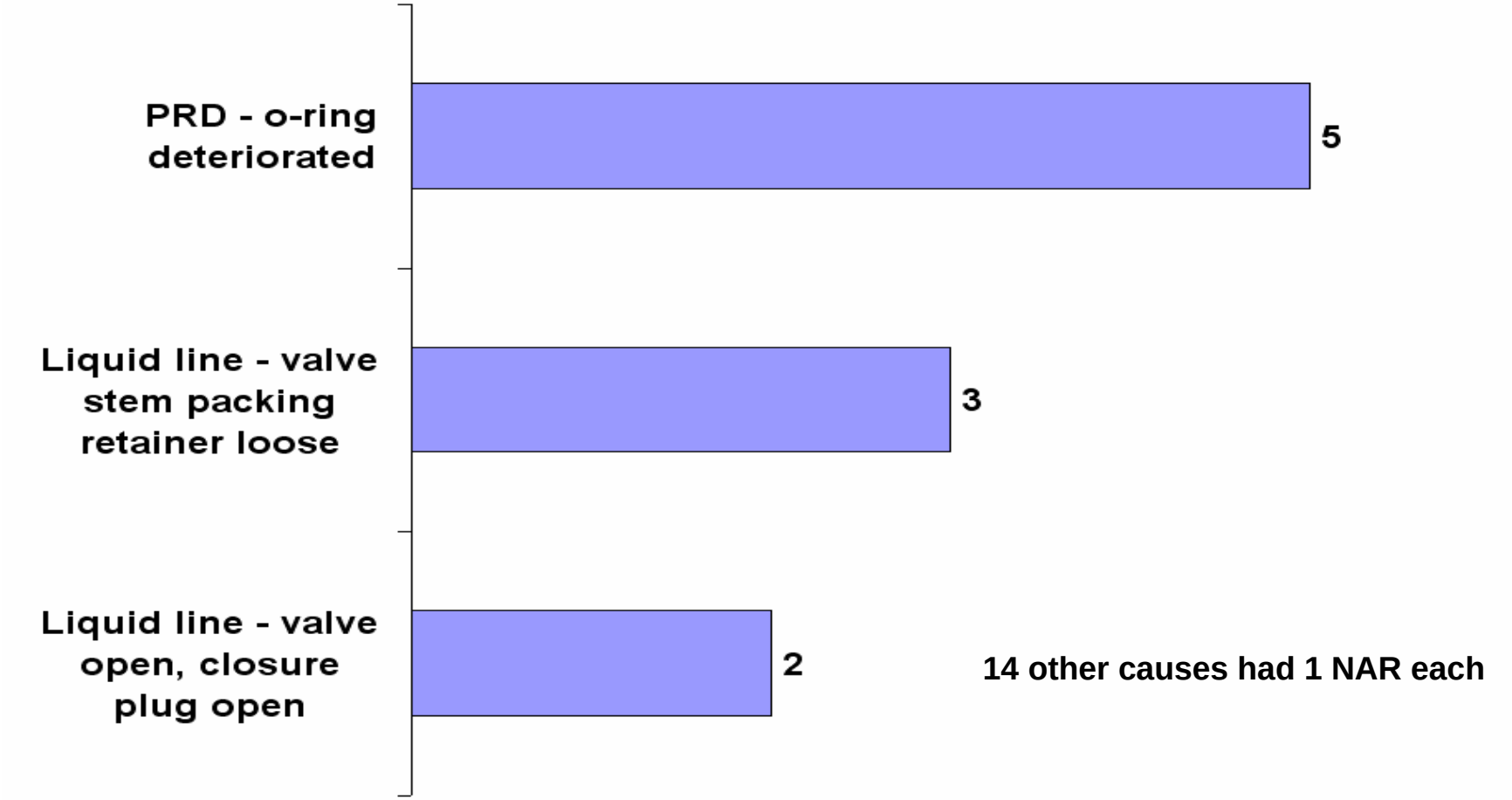


Note: Causes labeled “pressure plate” are now being used for a variety of non-pressure chemicals; this may need cleaning up

Source: AAR/BOE NAR data

Top Specific Causes for Anhydrous Ammonia

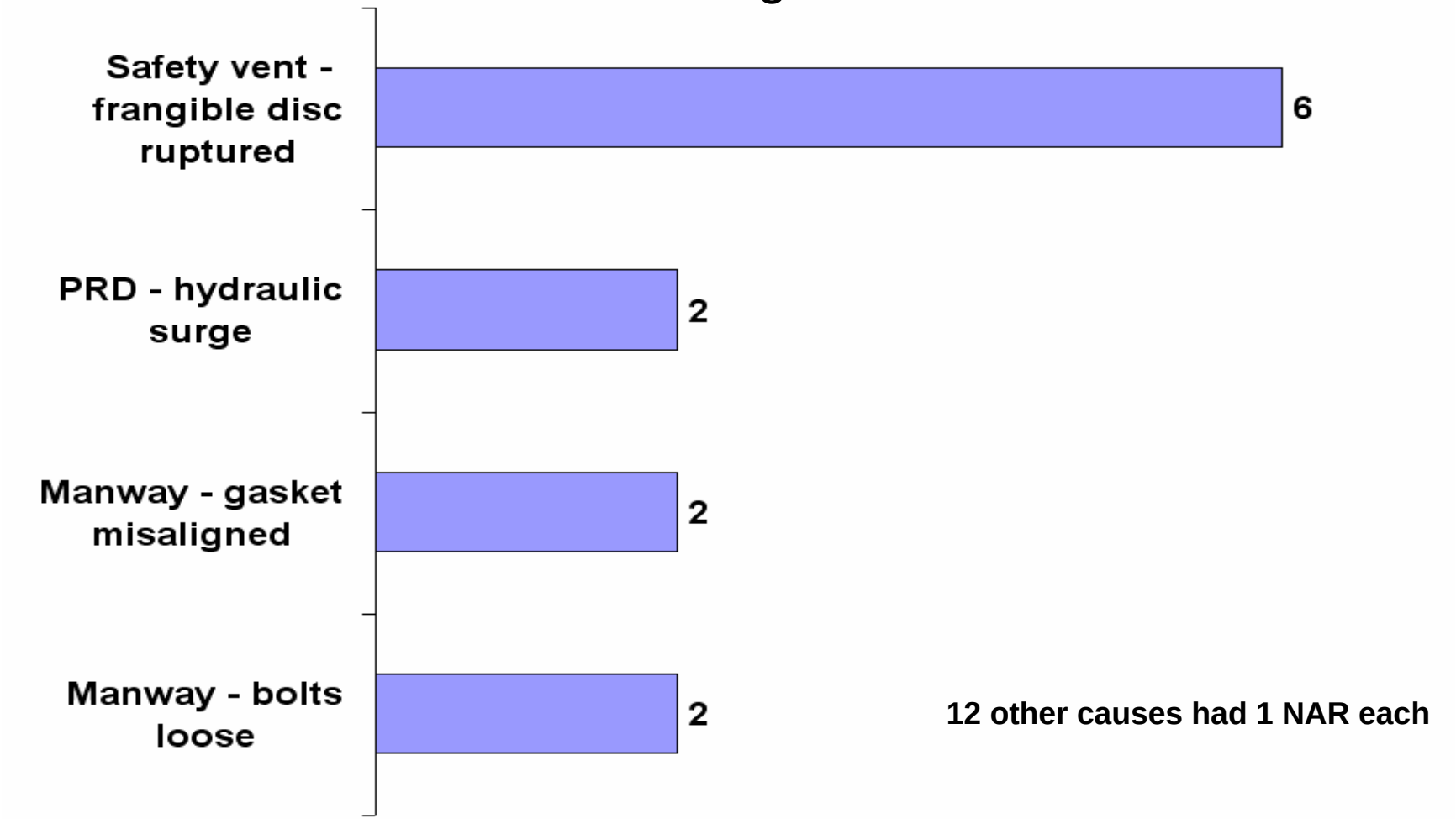
12 Months Ending 30 June 2010



Source: AAR/BOE NAR data

Top Specific Causes for Sodium Hydroxide Solution

12 Months Ending 30 June 2010



Source: AAR/BOE NAR data