



Implats – Impala Rustenburg operations

OCCUPATIONAL HEALTH NOISE MILESTONES PERFORMANCE

Willie Deysel
Minerals Council Health Department
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MINERALS COUNCIL
SOUTH AFRICA

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OCCUPATIONAL HYGIENE / HEALTH DATA SOURCES



The data source for the occupational health milestones data contained within this presentation is the 2024 Occupational Hygiene and Occupational Medicine milestone reports submitted in the Minerals Council SA Occupational Health Information Management System (OHIMS)

- MCSA OHIMS is available for all Companies/Mines
- MCSA OHIMS is Linked to the Milestone Reporting Portal
- 24/7 Support
- Noise Milestone Reporting Includes:
 - Individual Equipment Noise Measurements reported
 - 21660 Noise Measurements for 2024
 - Logarithmic Average Noise Levels Calculated for Equipment Populations
 - 190 Equipment Populations for 2024
 - Standard Threshold Shift Reporting

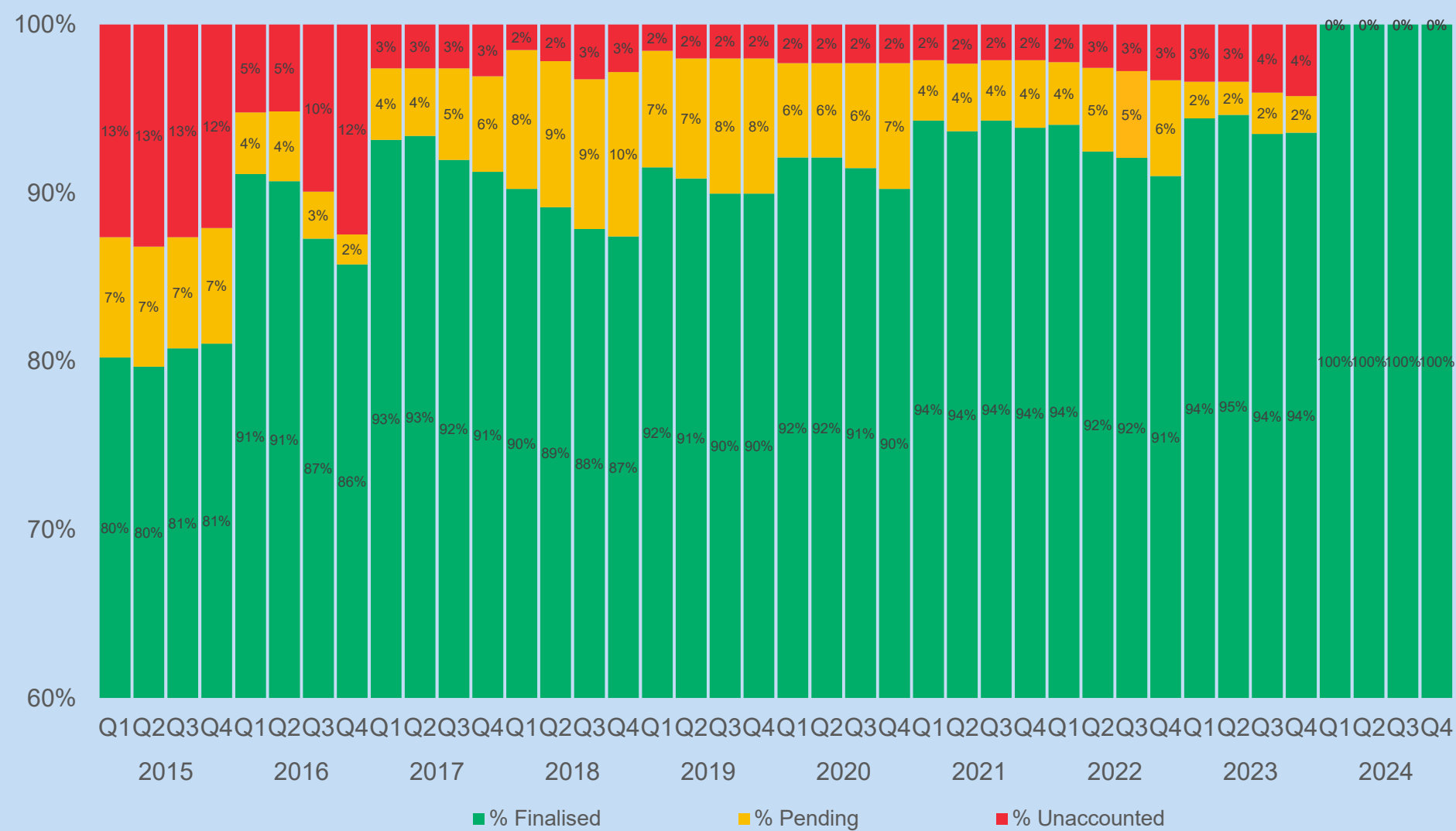


2

OCCUPATIONAL HYGIENE / HEALTH DATA SOURCES – OCCUPATIONAL HYGIENE MILESTONE REPORTING



Milestone Reporting



The reporting performance presented considers all companies registered on the MCSA OHIMS with Occupational Health Milestone Reports configured

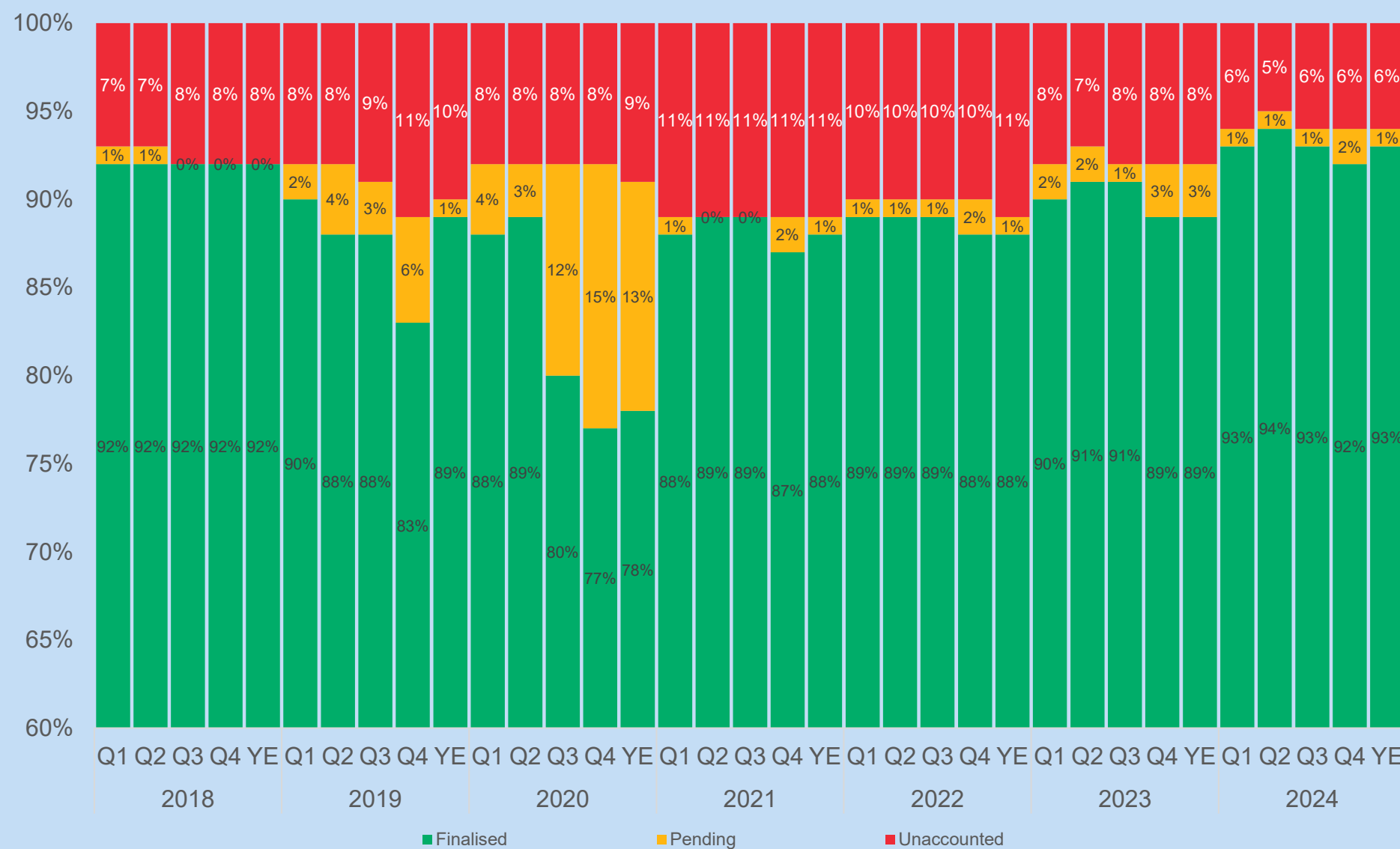


3

OCCUPATIONAL MEDICINE / HEALTH DATA SOURCES – OCCUPATIONAL MEDICINE MILESTONE REPORTING



The reporting performance presented considers all companies registered on the MCSA OHIMS with Occupational Health Milestone Reports configured

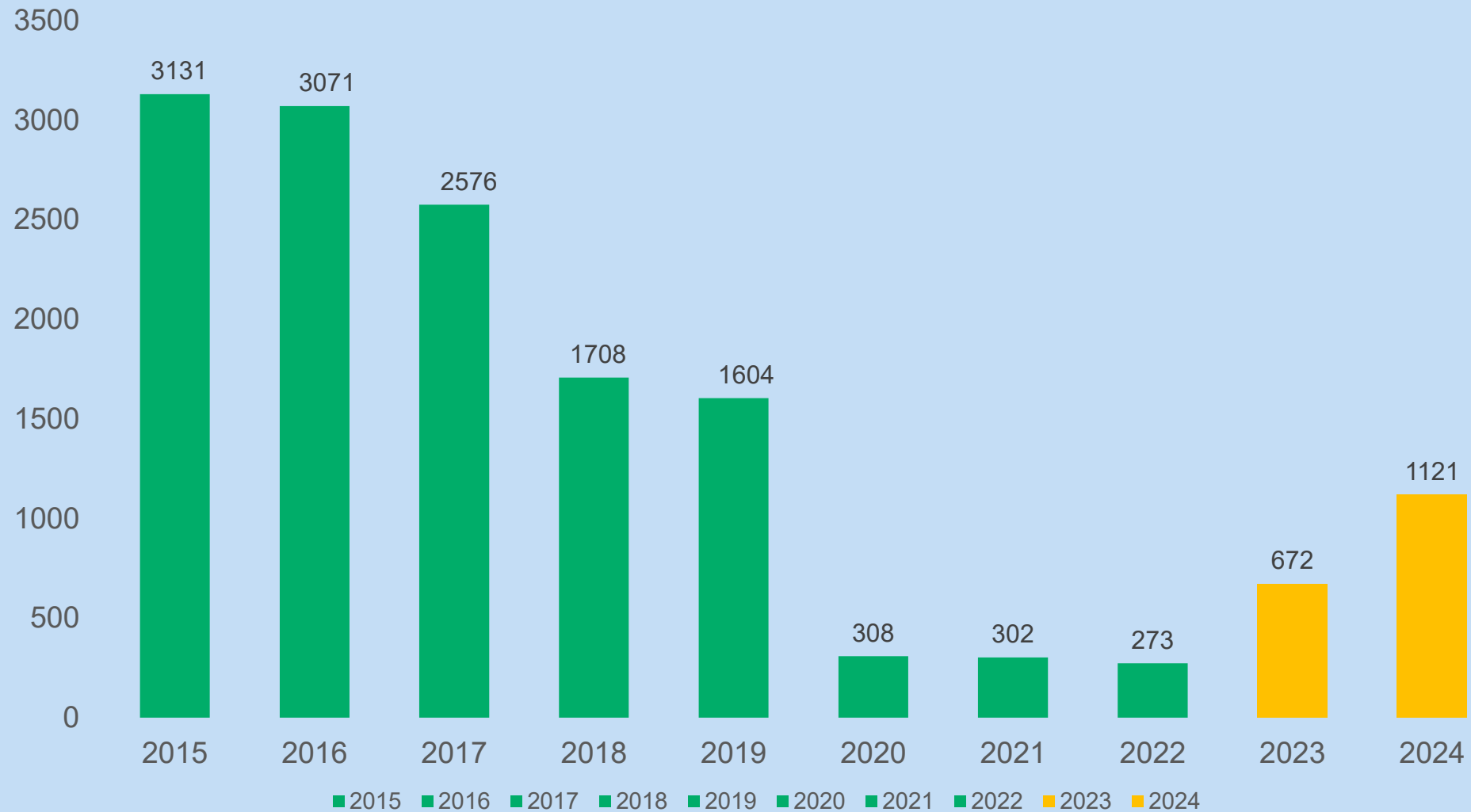


4

EQUIPMENT NOISE MILESTONE PERFORMANCE - INDUSTRY LEVEL



Total number of individual pieces of equipment ≥ 107 dB (A)

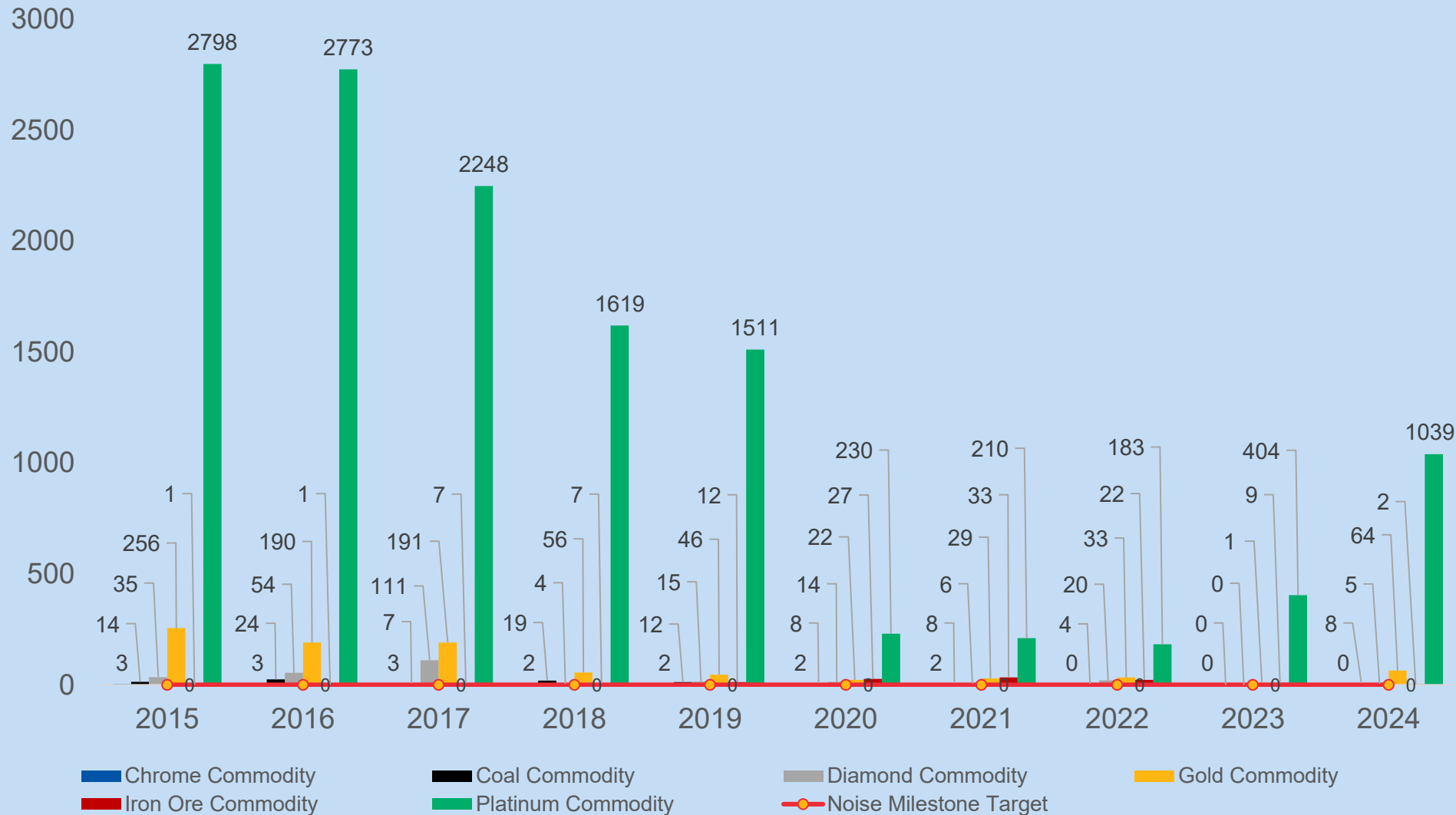


5

EQUIPMENT NOISE MILESTONE PERFORMANCE - COMMODITIES



Equipment Noise Milestone Target (Commodities)

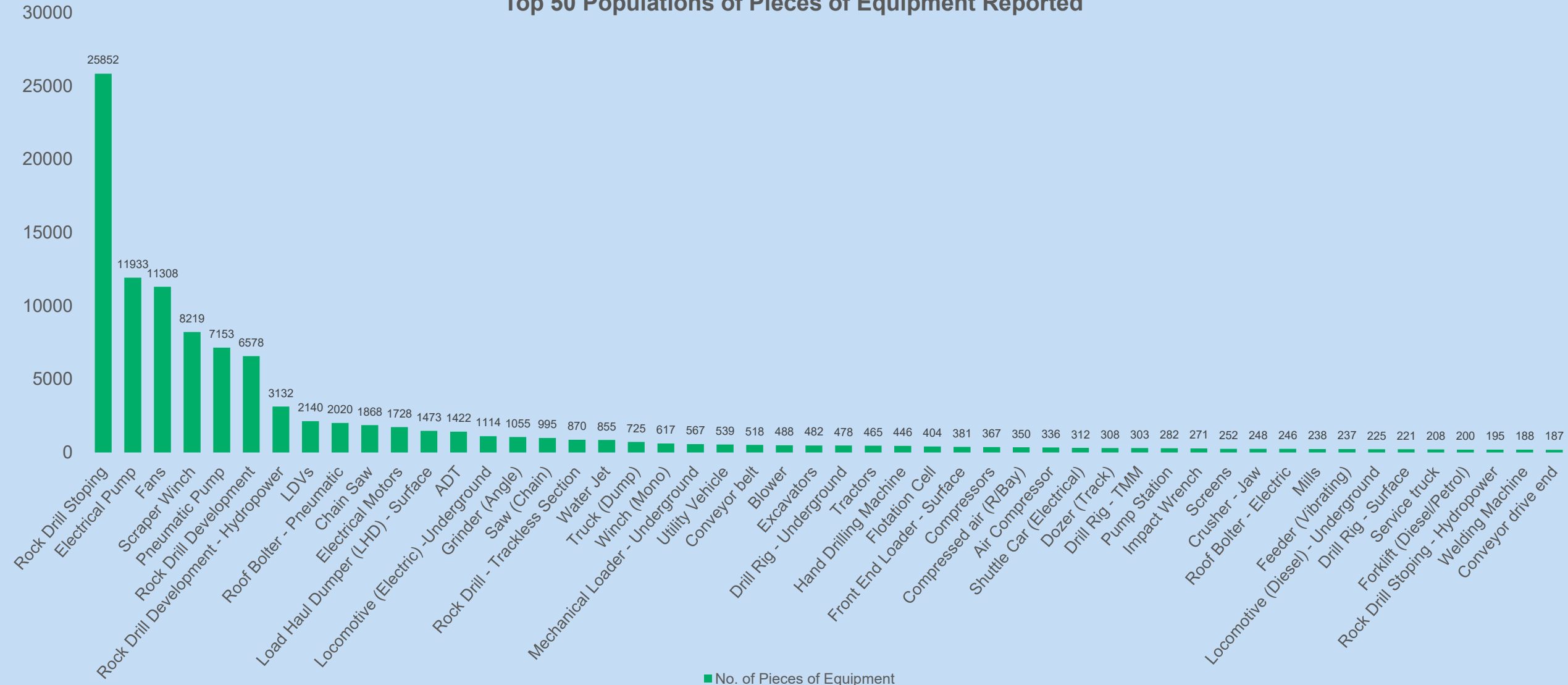


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EQUIPMENT NOISE STATISTICS - NUMBER OF PIECES OF EQUIPMENT REPORTED (TOP 50 POPULATIONS)



Top 50 Populations of Pieces of Equipment Reported

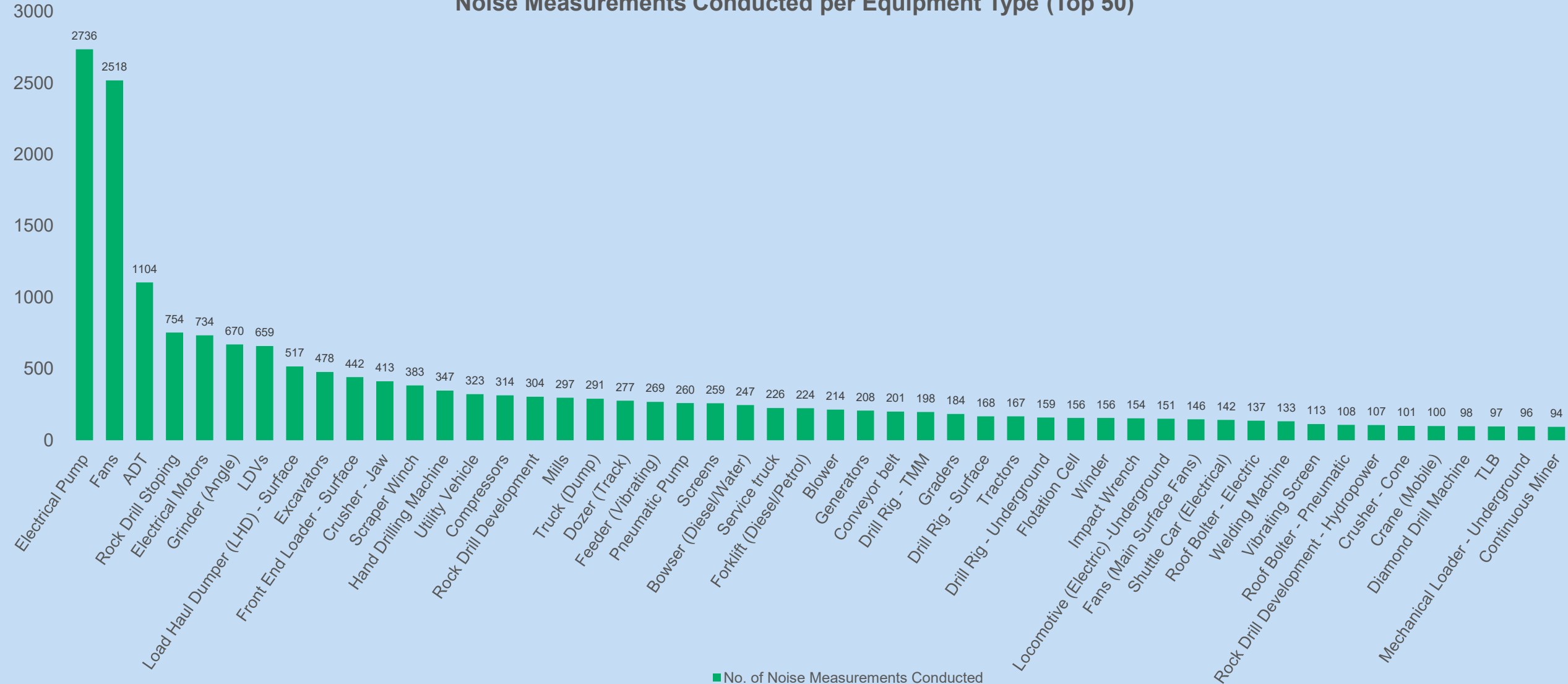


7

EQUIPMENT NOISE STATISTICS – NUMBER OF NOISE MEASUREMENTS CONDUCTED PER EQUIPMENT (TOP 50)



Noise Measurements Conducted per Equipment Type (Top 50)

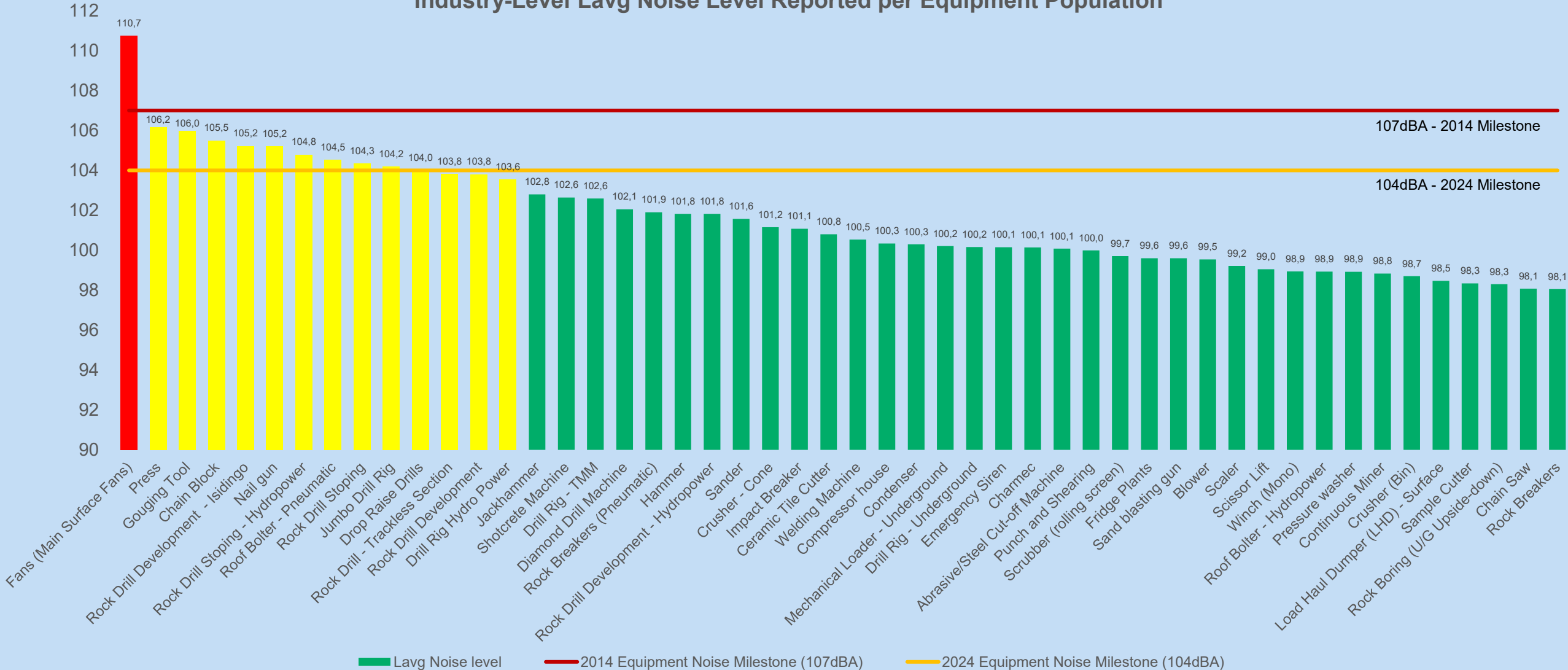




EQUIPMENT NOISE STATISTICS – TOP 50 EQUIPMENT NOISE NOISE POPULATIONS



Industry-Level Avg Noise Level Reported per Equipment Population

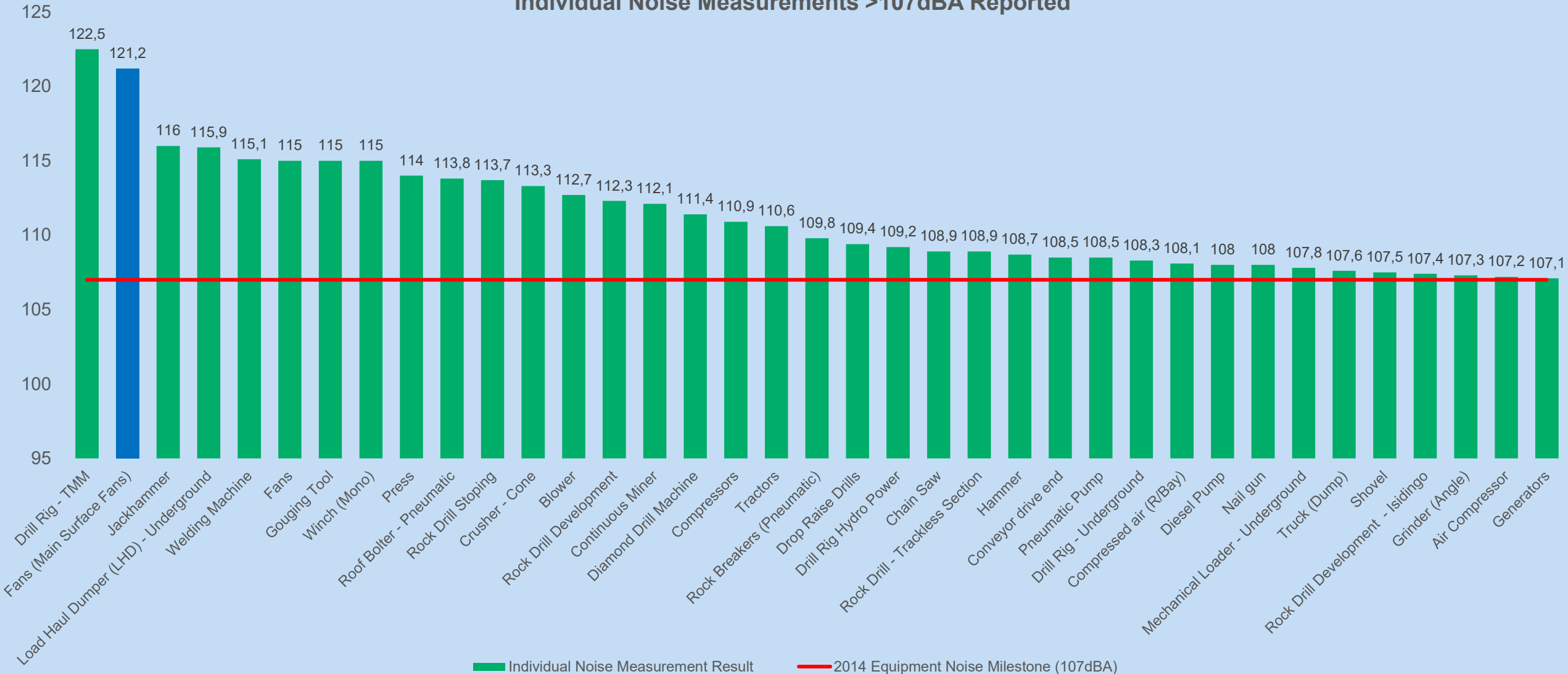


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EQUIPMENT NOISE STATISTICS - INDIVIDUAL NOISE MEASUREMENTS ≥ 107 DBA



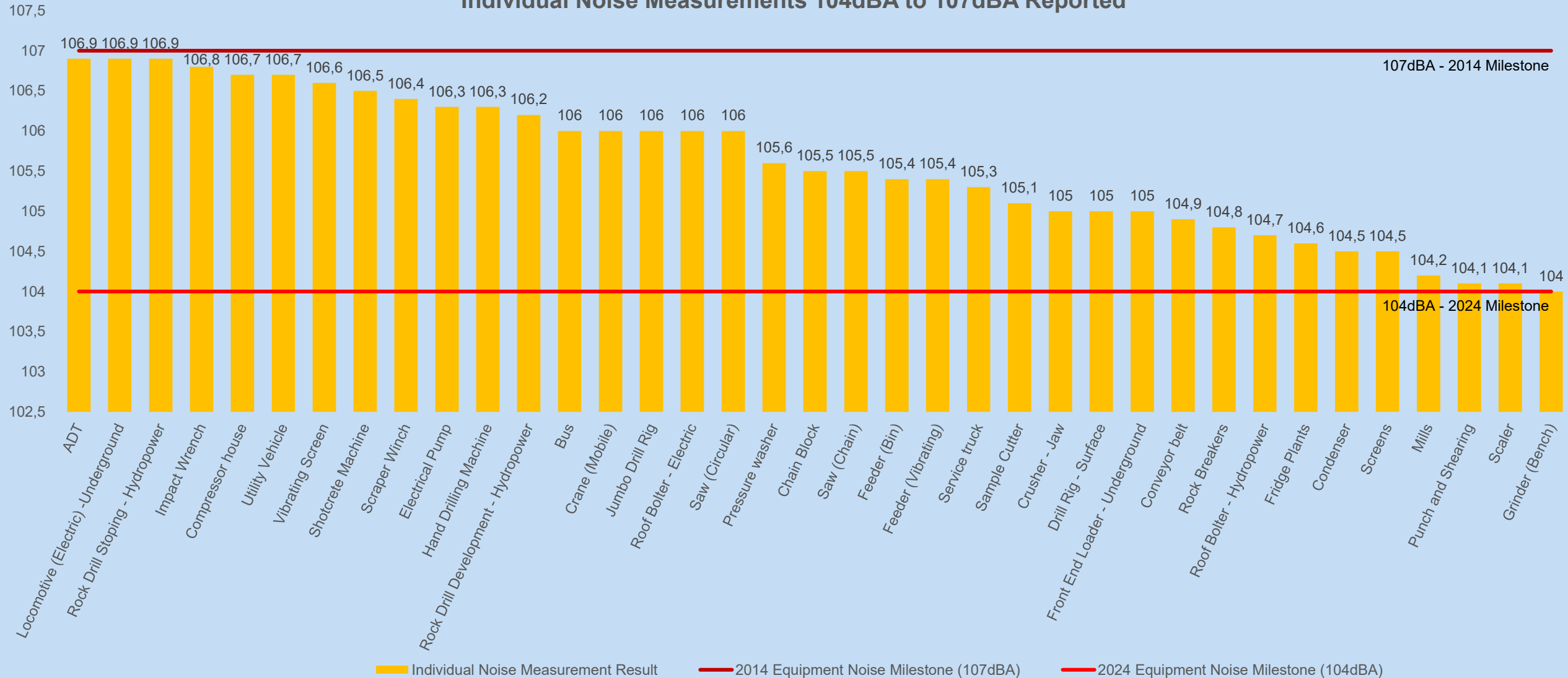
Individual Noise Measurements >107dBA Reported



10 EQUIPMENT NOISE STATISTICS - INDIVIDUAL NOISE MEASUREMENTS ≥ 104 dBA TO ≤ 107 dBA



Individual Noise Measurements 104dBA to 107dBA Reported

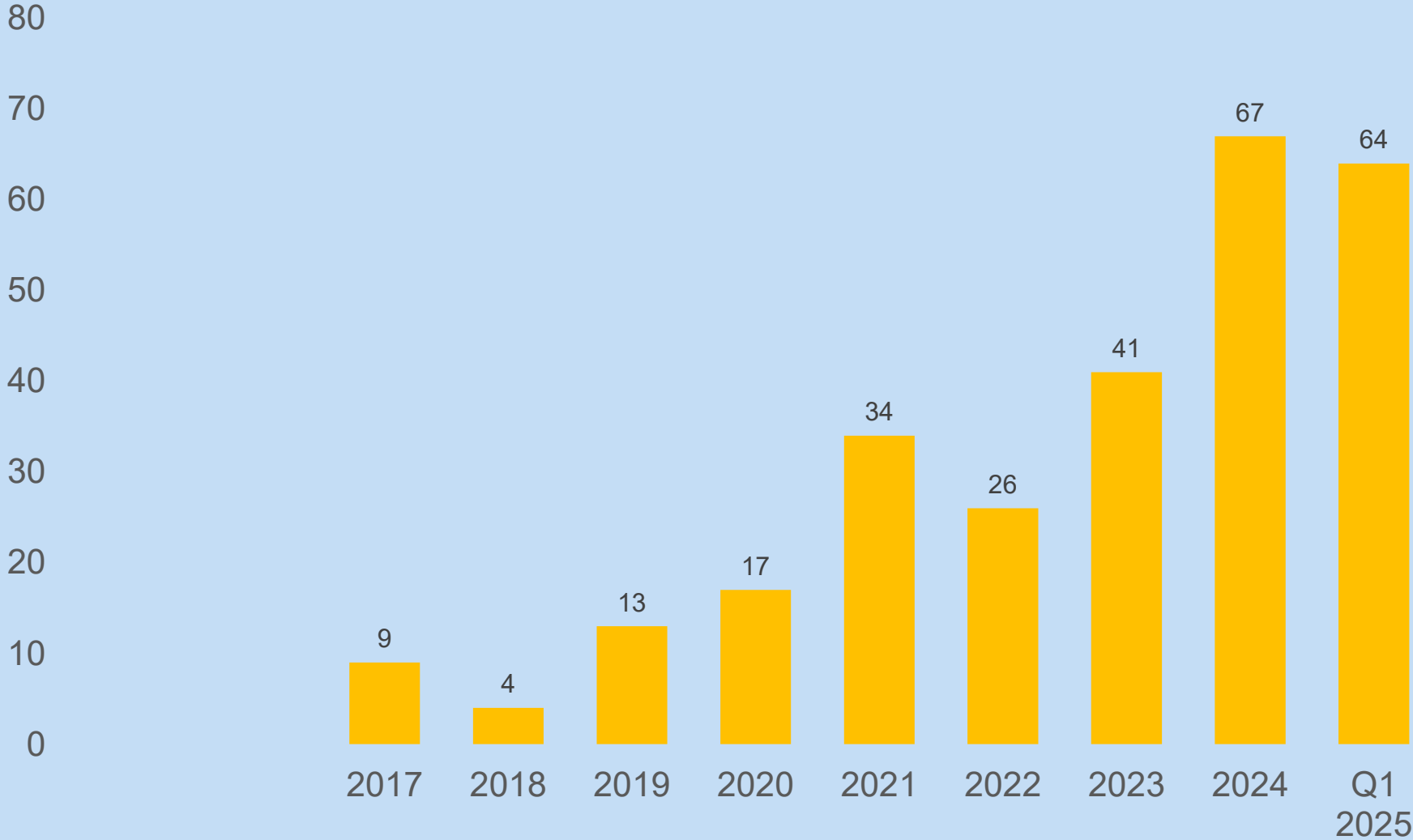


11

STANDARD THRESHOLD SHIFT MILESTONE PERFORMANCE



Number of Cases with a ST shift >25dB from baseline



The Standard Threshold Shift (STS) Guidance Note is planned for review by MOHAC



12 CONCLUSION



- Reporting on Occupational Hygiene Milestone Performance significantly improved during 2024, resulting in a 100% reporting in the MCSA OHIMS
- The 2014 Equipment Noise Milestone was not achieved by the Industry
- 37 Pieces of Equipment types included individual noise measurement results $\geq 107\text{dBA}$
- 9 Equipment Noise Populations are currently exceeding the 2024 Equipment noise Milestone
- 74 Pieces of Equipment types included individual noise measurement results $\geq 104\text{dBA}$
- Improved Engineering noise control measures is required, for the 2024 Equipment Noise Milestone of “By December 2034, the noise emitted by individual pieces of equipment operated by employees and individual process equipment should not exceed a milestone sound pressure level of 104 dBA” to be met
- The STS Guidance Note to be reviewed, improved and measures to be implemented to prevent hearing threshold shifts in employees





Gold Fields – South Deep

THANK YOU

#MiningMatters

T +27 11 498 7100 E info@mineralscouncil.org.za W www.mineralscouncil.org.za

7th Floor Rosebank Towers, 19 Biermann Ave, Rosebank, Johannesburg, 2196



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