

Maintenance Analysis Report

Generated on April 26, 2025

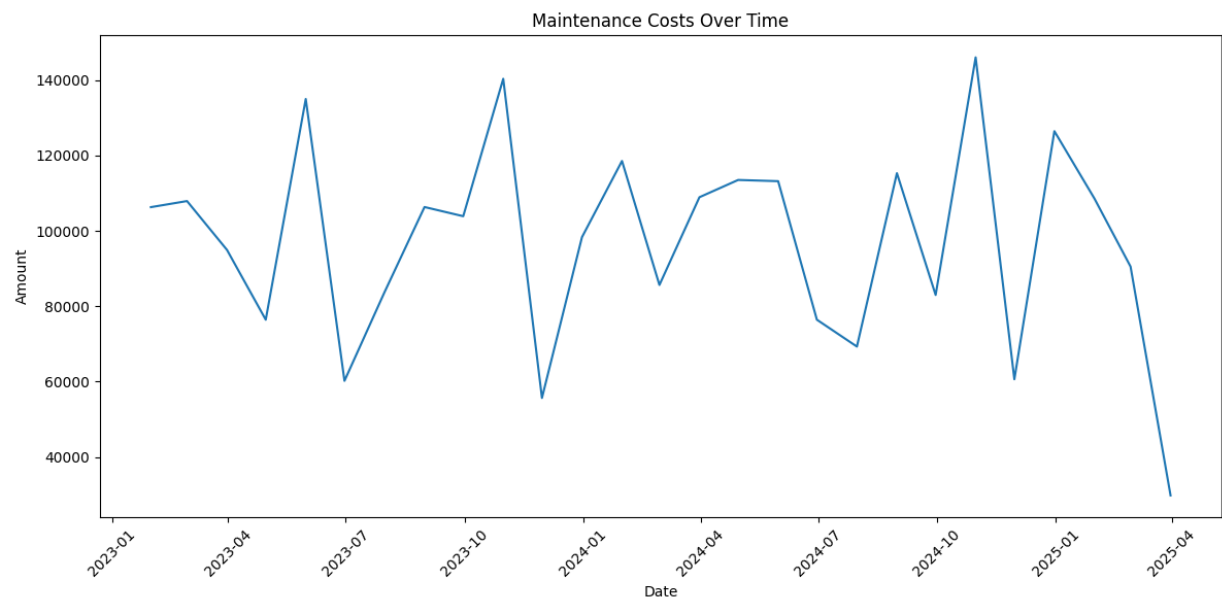
Executive Summary

This report provides a comprehensive analysis of maintenance operations based on the available data. Total maintenance costs amount to \$2,615,129.08. The analysis covers 99 unique pieces of equipment. There are 13 high-priority recommendations that require immediate attention.

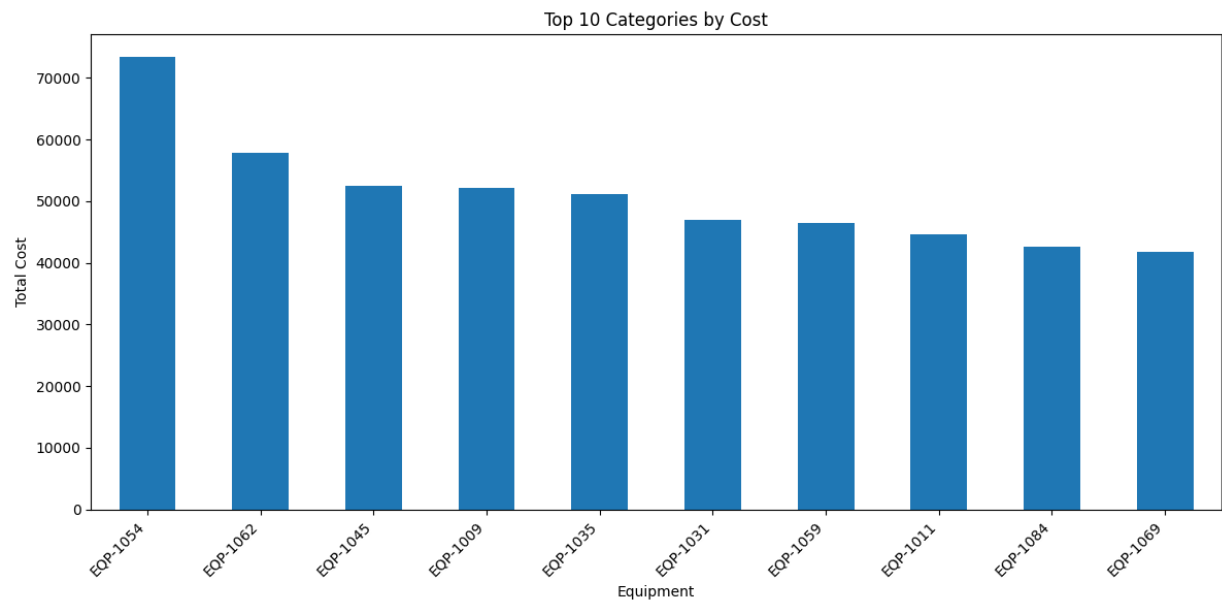
Key Statistics

Total Records	500.00
Unique Equipment	99.00
Total Cost	\$2,615,129.08
Avg Cost	\$5,230.26
Min Cost	\$530.78
Max Cost	\$9,990.13
Avg Duration	5.39
Date Range	802.00

Cost Analysis



Maintenance Costs by Category



Detailed Category Analysis

Category	Count Duration	Count Maintenance Cost	Sum Maintenance Cost	Mean Maintenance Cost
EQP-1054	10.00	10.00	73,383.20	7,338.32
EQP-1062	10.00	10.00	57,790.05	5,779.00
EQP-1045	8.00	8.00	52,500.42	6,562.55
EQP-1009	7.00	7.00	52,237.57	7,462.51
EQP-1035	8.00	8.00	51,177.89	6,397.24
EQP-1031	8.00	8.00	46,907.91	5,863.49
EQP-1059	7.00	7.00	46,405.09	6,629.30
EQP-1011	7.00	7.00	44,616.09	6,373.73
EQP-1084	8.00	8.00	42,597.28	5,324.66
EQP-1069	8.00	8.00	41,831.17	5,228.90

Business Recommendations

High Priority Recommendations

Equipment Performance

Observation: EQP-1000 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1001 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1012 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1031 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1035 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1038 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1045 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1054 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1057 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1062 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1069 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1075 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Equipment Performance

Observation: EQP-1084 requires frequent maintenance

Recommendation: Evaluate replacement or upgrade options for this equipment

Medium Priority Recommendations

Cost Management

Observation: Maintenance costs are increasing at 6.0% per month

Recommendation: Consider implementing preventive maintenance programs to reduce long-term costs

This report was automatically generated using advanced analytics and machine learning techniques.