

# Complete Limble CMMS Data Analysis Report

Analysis Date: July 8, 2025

## Executive Summary

This analysis covers the entire Limble CMMS dataset, not just Skin Wellness units. The data reveals critical inventory shortages totaling over \$14,000, with 20,055 work orders across multiple equipment types and locations.

## 1. Work Order Analysis (20,055 Total)

### Top Equipment Types by Work Order Volume

| Equipment Type       | Work Orders | Percentage |
|----------------------|-------------|------------|
| Skin Wellness        | 2,393       | 11.9%      |
| VersaSpa Pro         | 1,025       | 5.1%       |
| Cocoon               | 692         | 3.5%       |
| Norvell Auto Rev     | 577         | 2.9%       |
| Versa Pro            | 472         | 2.4%       |
| Prestige 1600        | 465         | 2.3%       |
| Sunrise 480 Stand Up | 438         | 2.2%       |
| Open Sun 1050        | 405         | 2.0%       |
| Prestige 1100        | 384         | 1.9%       |
| Poly                 | 364         | 1.8%       |
| Beauty Angel 7200    | 359         | 1.8%       |
| Vitality TLT         | 355         | 1.8%       |
| Other Equipment      | ~10,526     | 52.4%      |

**Key Insight:** While Skin Wellness is the highest single equipment type, it only represents 11.9% of total maintenance work. The maintenance burden is distributed across many equipment types.

### Work Order Distribution by Year

- 2022: Data indicates historical entries
- 2023: Peak maintenance year
- 2024: Second highest volume
- 2025: Current year (partial)

- 2026: Scheduled preventive maintenance

## 2. Critical Inventory Shortages

**URGENT: 116 parts show negative inventory valued at \$14,016.37**

### Top 20 Critical Shortages by Value

| Part Name                       | Shortage   | Unit Price | Total Value | Equipment Type |
|---------------------------------|------------|------------|-------------|----------------|
| Solenoid - Skin Wellness Drain  | -113 units | \$91.10    | \$10,294.30 | SWP            |
| POLY CARBONATE NECK SHIELD      | -4 units   | \$176.16   | \$704.64    | Various        |
| Versaspa Pro Wash Solenoid      | -3 units   | \$204.37   | \$613.11    | VersaSpa       |
| Skin Wellness Hood Gasket-Large | -3 units   | \$116.52   | \$349.56    | SWP            |
| Heater element                  | -3 units   | \$109.56   | \$328.68    | Various        |
| Bottom Stepper Motor            | -1 unit    | \$284.56   | \$284.56    | Various        |
| Piston Pump, Assy, V2           | -1 unit    | \$278.25   | \$278.25    | Various        |
| Brake Assembly VSpa             | -1 unit    | \$190.40   | \$190.40    | VersaSpa       |
| Main Hinge-White                | -1 unit    | \$189.00   | \$189.00    | Various        |
| Additional shortages...         | Various    | Various    | \$783.87    | Various        |

**Critical Finding:** The single largest shortage is 113 drain solenoids for Skin Wellness units, representing 73.4% of the total shortage value.

## 3. Equipment Fleet Overview

From the Quick Stats:

- **Total Assets:** 2,180 pieces of equipment
- **Assets with PM schedules:** 250 (11.5%)
- **Assets without PM schedules:** 1,930 (88.5%)
- **Total Completed PMs:** 3,019
- **Total Completed WOs:** 12,020
- **Total Overdue PMs:** 474
- **Total Overdue WOs:** 328

**Key Insight:** Only 11.5% of equipment has preventive maintenance schedules, indicating a reactive maintenance approach.

## 4. Staffing and Assignment Analysis

## Work Order Assignments:

- Maintenance: ~47% of all work orders
- Technician: ~23% of work orders
- **Unassigned: ~23% of work orders** (Critical workflow issue)
- Texas Maintenance: ~3% of work orders
- Other staff: ~4% of work orders

## 5. Parts Inventory Overview

- **Total unique parts:** 940
- **Parts with negative inventory:** 116 (12.3%)
- **Total shortage value:** \$14,016.37

Most parts lack proper equipment type categorization, making it difficult to predict part needs by equipment type.

## 6. Key Recommendations

### Immediate Actions (This Week)

#### 1. Order Critical Parts

- 113 Skin Wellness drain solenoids (\$10,294.30)
- 4 Poly carbonate neck shields (\$704.64)
- 3 VersaSpa wash solenoids (\$613.11)

#### 2. Assign Unassigned Work Orders

- Review and assign the 23% of unassigned work orders
- Implement auto-assignment rules by equipment type

#### 3. Create Inventory Management System

- Implement the 4 inventory tables in EquiplQ
- Set reorder points for all parts
- Create low-stock alerts

### Short-Term (1 Month)

#### 1. Expand PM Programs

- Only 250 of 2,180 assets have PM schedules
- Prioritize high-work-order equipment for PM programs

## 2. **Parts Categorization**

- Properly categorize all 940 parts by equipment type
- Create equipment-specific parts kits

## 3. **Location-Based Analysis**

- Identify high-maintenance locations
- Consider dedicated technicians for busy locations

## **Long-Term (3-6 Months)**

### 1. **Predictive Maintenance**

- Use work order patterns to predict failures
- Shift from 88.5% reactive to more preventive approach

### 2. **Vendor Management**

- Establish relationships for critical parts
- Negotiate bulk pricing for high-volume items

### 3. **Training Programs**

- Focus on top issues by equipment type
- Create equipment-specific troubleshooting guides

## **7. EquipIQ Integration Priorities**

Based on this analysis, EquipIQ should prioritize:

### 1. **Inventory Management** (Critical - \$14k in shortages)

- Track all 940 parts
- Monitor 116 shortage items
- Automate reorder points

### 2. **Work Order Management**

- Import 20,055 historical work orders
- Fix 23% unassigned issue
- Track patterns by equipment type

### 3. **Equipment Tracking**

- Import all 2,180 assets
- Track by type, location, and PM schedule
- Monitor the 474 overdue PMs

#### 4. Reporting Dashboard

- Equipment uptime by type
- Parts shortage alerts
- Work order completion rates
- PM compliance tracking

#### 8. Cost Savings Opportunities

1. **Reduce Emergency Orders:** Proper inventory = fewer rush orders
2. **Prevent Failures:** Expand PM from 11.5% to 50% of equipment
3. **Optimize Assignments:** Reduce 23% unassigned work orders
4. **Bulk Purchasing:** High-volume parts like drain solenoids
5. **Location Efficiency:** Route technicians based on work density

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*This analysis is based on Limble CMMS data exported July 8, 2025. Regular updates recommended to track improvements.*