

# CHAIN AND ELEVATOR MAINTENANCE CHART

Fillable maintenance chart for engineered chain and elevator systems — inspection log with wear tracking.

## CHAIN & ELEVATOR MAINTENANCE CHART

Use this chart to track maintenance inspections for engineered chain systems. Submit completed logs to Uniking Canada for replacement planning.

### 1. System Information

|                    |                                                                                                                |
|--------------------|----------------------------------------------------------------------------------------------------------------|
| Company / Location | _____                                                                                                          |
| System type        | <input type="checkbox"/> Elevator <input type="checkbox"/> Drag Conveyor <input type="checkbox"/> Other: _____ |
| Chain type         | _____                                                                                                          |
| Chain pitch        | _____ inches / mm                                                                                              |
| Chain length       | _____ feet / meters                                                                                            |
| Installation date  | _____                                                                                                          |
| Material conveyed  | _____                                                                                                          |
| Operating speed    | _____ ft/min                                                                                                   |

### 2. Inspection Log

| DATE  | INSPECTOR | ELONGATION % | PIN WEAR | PLATE WEAR | SPROCKET CONDITION | ATTACH. CONDITION | ACTION REQUIRED |
|-------|-----------|--------------|----------|------------|--------------------|-------------------|-----------------|
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |
| _____ | _____     | _____        | _____    | _____      | _____              | _____             | _____           |

### 3. Replacement Criteria

| PARAMETER         | MONITOR AT | REPLACE AT                       |
|-------------------|------------|----------------------------------|
| Chain elongation  | 2%         | 3% – 5% (depends on application) |
| Pin diameter wear | 5%         | 10% diameter reduction           |

|                        |              |                          |
|------------------------|--------------|--------------------------|
| Plate thickness wear   | 5%           | 10% thickness loss       |
| Sprocket tooth profile | 10% change   | 15% – 20% profile change |
| Attachment wear        | Visible wear | 20% dimension change     |

4. Notes & Observations

|                     |                                                                                                                                                                          |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unusual noise?      | <input type="checkbox"/> None <input type="checkbox"/> Clicking <input type="checkbox"/> Grinding <input type="checkbox"/> Banging <input type="checkbox"/> Other: _____ |
| Tracking issues?    | <input type="checkbox"/> None <input type="checkbox"/> One side <input type="checkbox"/> Intermittent <input type="checkbox"/> Other: _____                              |
| Temperature normal? | <input type="checkbox"/> Yes <input type="checkbox"/> No (recorded: _____ °F)                                                                                            |
| Lubrication?        | <input type="checkbox"/> Adequate <input type="checkbox"/> Dry <input type="checkbox"/> Excess <input type="checkbox"/> N/A                                              |
| Additional notes    | _____                                                                                                                                                                    |

SUBMIT MAINTENANCE LOGS

Uniking Canada reviews maintenance data for replacement planning.

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