**COMPONENT OILER**

**1. Description  
Automated lubrication system for conveyor chains**

**2. Functions**

* **Periodically applies oil/lube**

**3. I/O and Signals**

|  |  |  |  |
| --- | --- | --- | --- |
| **Signal Name** | **Type** | **Description** | **Panel** |
| **OILER\_RUN\_CMD** | **DO** | **Activate oiler** | **PANEL\_CONTROL\_RIO** |
| **OILER\_FEEDBACK** | **DI** | **Oiler status** | **PANEL\_CONTROL\_RIO** |

**4. Interlocks & Safety**

* **Disabled during maintenance or manual override**

**5. Dependencies**

* **Scheduled or runtime-based triggers**

**6. Alarms**

|  |  |  |
| --- | --- | --- |
| **Alarm ID** | **Condition** | **Message** |
| **A\_OIL\_01** | **Oiler inactive** | **"Oiler Fault"** |

**7. HMI / Operator Interaction**

* **Force oil cycle**
* **Monitor usage log**