



**TotalEnergies**

# Gypsum Wallboard Industry

## 1

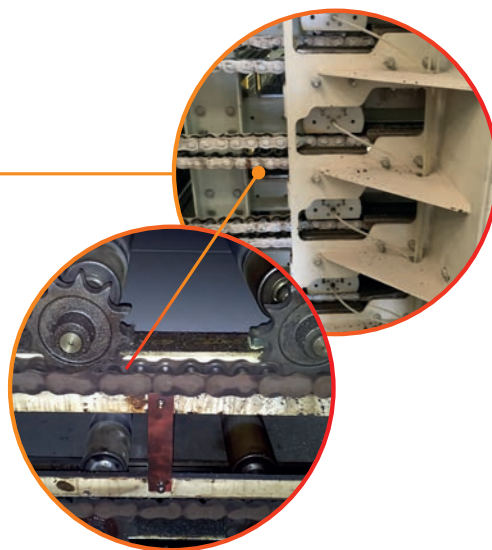
## Multi-level dryer chains lubrication



### ESTAR OILS

Full synthetic ester oils designed for lubrication of chains in multi-level dryers in gypsum wallboard plants.

- ⊕ Optimized lubrication
- ⊕ Secure production stability



### MAIN PRODUCTS DATA

| Products                | Application  | Base Oil             | Available Kinematic Viscosities @ 40°C (mm²/s) | Density @ 20°C | Flash Point (°C) | Temperature Range (°C) |     |
|-------------------------|--------------|----------------------|------------------------------------------------|----------------|------------------|------------------------|-----|
|                         |              |                      |                                                |                |                  | Min                    | Max |
| <b>Estar Super</b>      | Dryer Chains | Full synthetic ester | 125 ; 250                                      | 0,96           | >280             | -40                    | 280 |
| <b>Estar Super Plus</b> | Dryer Chains | Full synthetic ester | 125 ; 250                                      | 0,96           | >290             | -40                    | 290 |
| <b>Estar XT</b>         | Dryer Chains | Full synthetic ester | 90                                             | 0,98           | >290             | -30                    | 290 |
|                         |              |                      | 125                                            | 0,97           | 305              | -30                    | 300 |
|                         |              |                      | 250                                            | 0,97           | 305              | -15                    | 300 |

### KEY BENEFITS

- ⊕ High flash and fire points
- ⊕ High thermal stability
- ⊕ Low evaporation rate
- ⊕ Very low residue formation
- ⊕ Excellent corrosion protection
- ⊕ High antiwear protection

Fully compatible for use with all major multi-level dryer OEMs.



In gypsum board production lines, other equipment such as ball mills and vertical mills, in addition to dryer chains, operates under harsh conditions and require specialty lubricants.

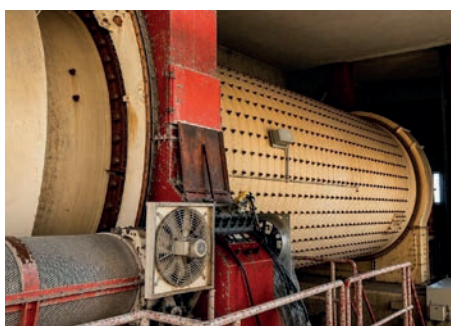
### MAIN PRODUCTS DATA

| Products                   | Application                                    | NLGI | Kinematic Viscosity @ 40°C (mm²/s) | Base Oil | Thickener | Temperature Range (°C) |     |
|----------------------------|------------------------------------------------|------|------------------------------------|----------|-----------|------------------------|-----|
|                            |                                                |      |                                    |          |           | Min                    | Max |
| <b>Fluolog SFG 420</b>     | Chain Drives<br>Sprocket Bearing               | 2    | 420                                | PFPE     | PTFE      | -40                    | 260 |
| <b>Starlog HT 2 Medium</b> | Chain Drives<br>Sprocket Bearing               | 2    | 150                                | Ester    | PTFE      | -40                    | 210 |
| <b>Starlog HT 462</b>      | Chain Drives<br>Sprocket Bearing               | 2    | 460                                | Ester    | PTFE      | -20                    | 200 |
| <b>Grafolog H 0</b>        | Open Gear Drives<br>(Kiln, Cooler & Ball Mill) | 0    | 750                                | Mineral  | Al-X      | -20                    | 120 |
| <b>Grafolog H 0 +</b>      | Open Gear Drives<br>(Kiln, Cooler & Ball Mill) | 0/1  | 1100                               | Mineral  | Al-X      | -10                    | 180 |
| <b>Grafolog H 2200</b>     | Open Gear Drives<br>(Kiln, Cooler & Ball Mill) | 0/00 | 2200                               | Mineral  | Al-X      | 0                      | 180 |
| <b>Lubrilog PG Oil</b>     | Vertical Mills<br>(Grinding Roller Bearings)   | -    | 680 to 1000                        | PAG      | -         | -30                    | 180 |

#### ▼ Chain Drives Sprocket Bearings



#### ▼ Open Gear Drives of Ball Mill

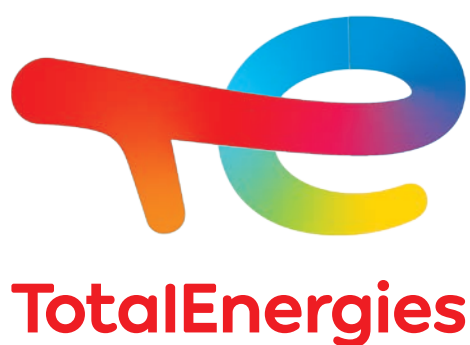
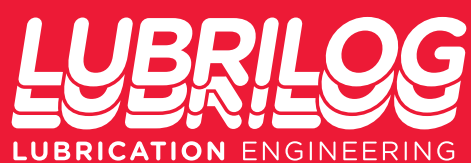


#### ▼ Open Gear Drives of Cooler



#### ▼ Roller Bearings of Vertical Mill





[www.lubrilog.fr](http://www.lubrilog.fr)



TotalEnergies Industry Solutions



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