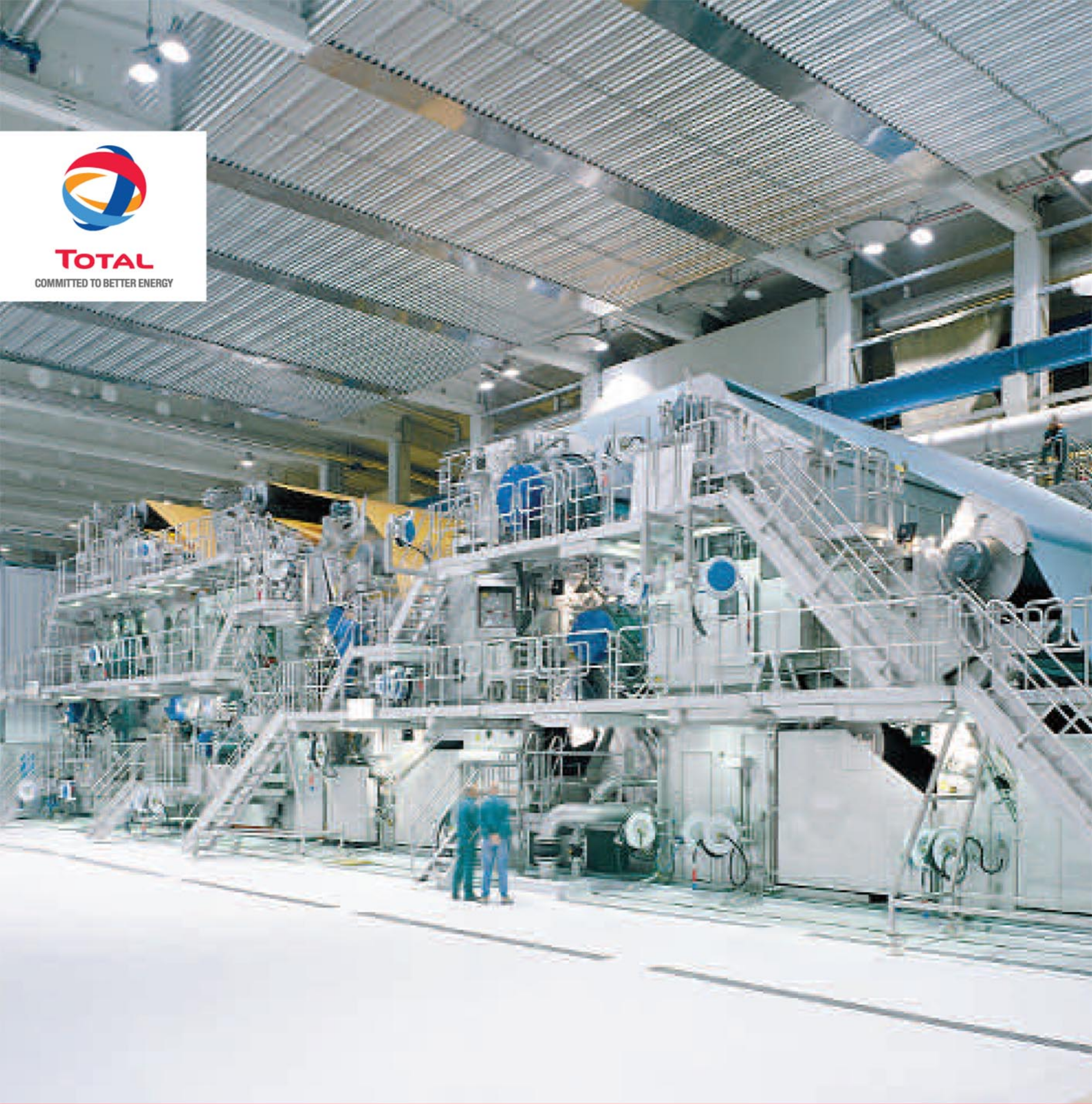




**TOTAL**

COMMITTED TO BETTER ENERGY



# Oils and Greases for Paper Mills

Meet your productivity and reliability requirements

**Energizing performance. Every day**



**TOTAL**  
LUBRICANTS





## TOTAL Products

### Wood yard

- **RUBIA** \_\_\_\_\_ **Handling equipments**  
 • **TRANSMISSION** \_\_\_\_\_ Lubrication of motors  
 • **EQUIVIS ZS** \_\_\_\_\_ Transmissions and hydraulic systems  
 Complete range of approved lubricants for all types of machines
- **CERAN PM** \_\_\_\_\_ **Conveyors / Bearings**  
 Reduced consumption due to outstanding water resistance properties  
 Excellent anti-corrosion properties  
 Presence of water, dust, chocs
- **CERAN GEP O** \_\_\_\_\_ **Chains / Open gears**  
 Reduced wear and consumption by improved adhesivity  
 Humid environment, choc, dust, high load, low speed
- **KASSILA GMP** \_\_\_\_\_ **Closed gear boxes**  
 Extended gear and bearing life  
 Humid environment, dust, high load

### Pulp mill

- **CARTER VP/CS** \_\_\_\_\_ **Agitators / gears**  
 • **KASSILA GMP** \_\_\_\_\_ Blending units  
 Extended lifetime through high anti-wear and anti-corrosion properties  
 Gear lubricants  
 Pumps, screens, refiners

### Finishing section

- **STATERMIC XHT** \_\_\_\_\_ **Coated machine**  
 Reduced grease consumption and reduced bearing failures  
 Shafts and wide gears
- **MISOLA MAP** \_\_\_\_\_ **Super calander**  
 • **MISOLA MAP SH** \_\_\_\_\_ Circulation oils  
 Ash-free oils



## Paper machine

Wet section - Press section - Dry section

### Circulation oils \_\_\_\_\_ MISOLA ASC • MISOLA AF •

Responding to VOITH/METSO specifications

Ash-free mineral oils  
Improved lifetimes of oils and bearings  
Reduced consumption of filters

### MISOLA MAP • Semi-synthetic ash-free oil Excellent price/quality ratio

### MISOLA MAP SH • Synthetic high temperature ash-free oil Cleans efficiently the lines Excellent protection against high temperature wear

### Hydraulic oil \_\_\_\_\_ AZOLLA AF • Ash-free mineral oil Excellent performance in presence of water Reduction of filter blockings thanks to an improved filtrability

### Grease for wet section \_\_\_\_\_ CERAN PM • Grease resistant against washing out Reduced grease consumption Increased equipment lifetime Reduced risks of pollutions

### Greases for dry section \_\_\_\_\_ ALTIS EM2 • ALTIS SH2 •

Electrical motors - ventilators

High technology greases with improved lubrication properties  
Significant reduction of temperatures and vibrations





TOTAL

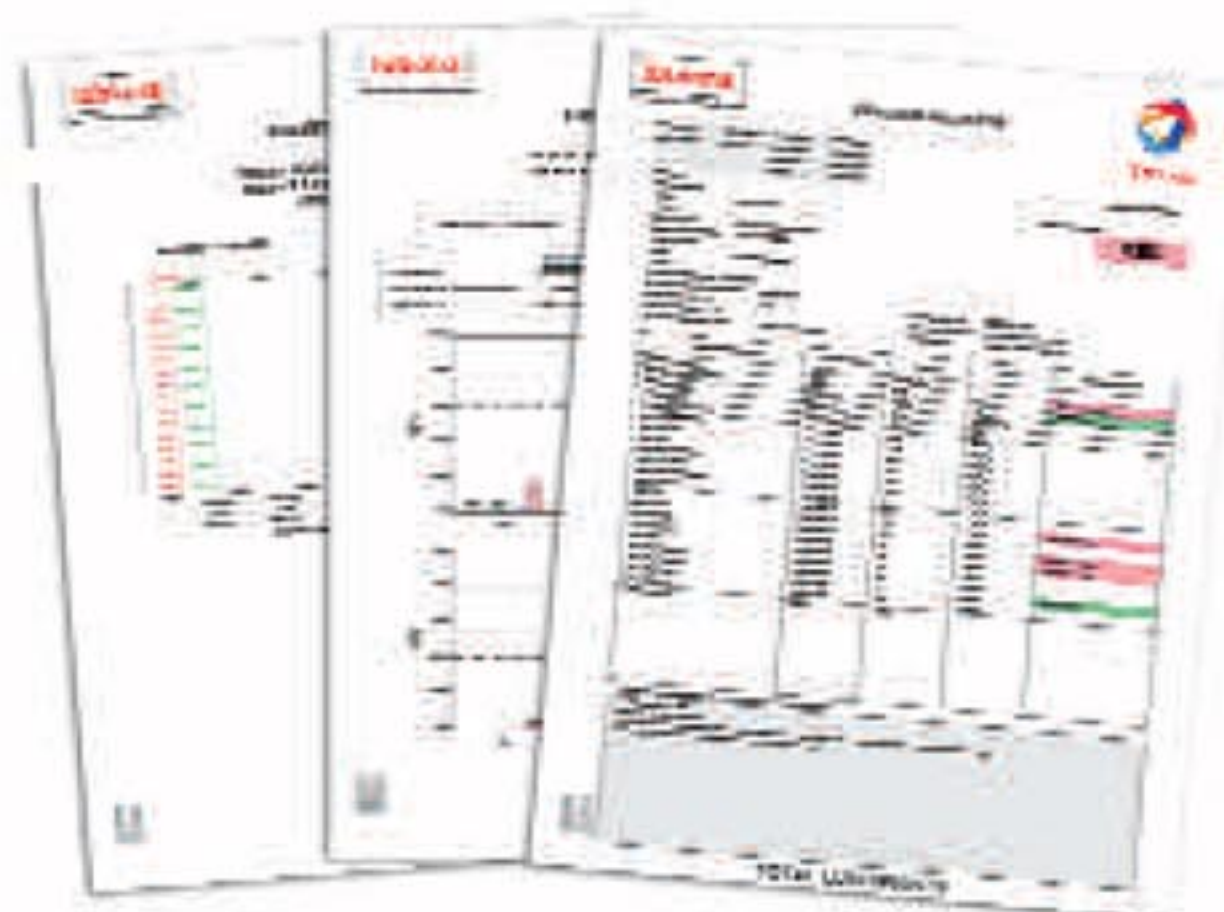
# Lubrication Support

## Keep an eye on your lubricants

# Iubiana

oil analyses for industry

- Extended lubricant life
- Monitoring the state of machines and detection of anomalies through monitoring the oil and its elements
- Savings through preventive monitoring, anticipation and detection of potential failures

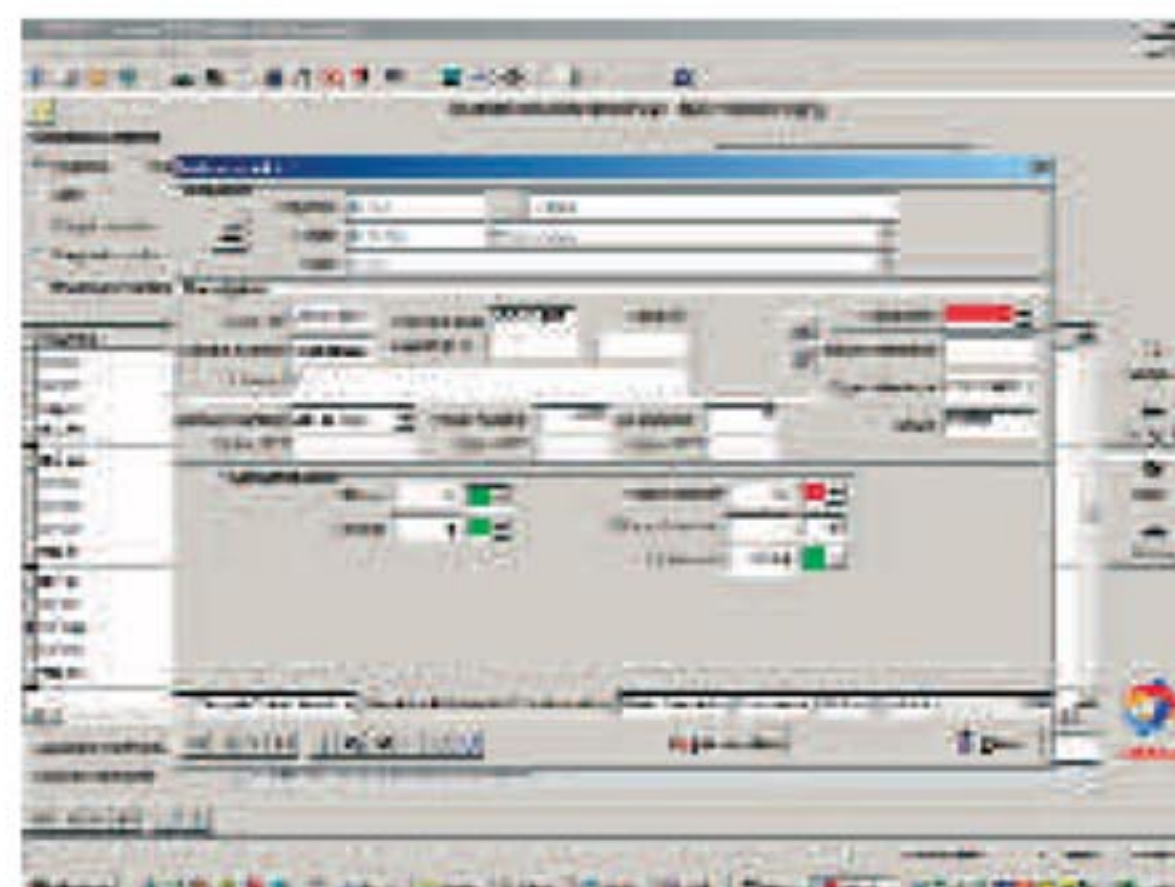


## Optimize your maintenance



Maintenance and lubrication software

- Optimal availability of the tool work through planning and regular follow-up of lubrication and maintenance
- Analysis of lubrication costs
- Sources of optimisation of preventive maintenance



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