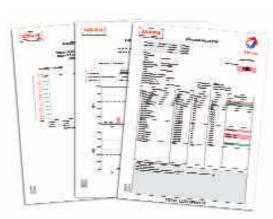
Lubrication Support

Keep an eye on your lubricants



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

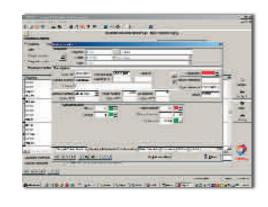


Optimize your maintenance



Maintenance and lubrication software

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



To adapt these services to your requirements, do not hesitate to consult us

Africa	+33 1 41 35 47 62	Germany	+49 211 90 570	Norway	+47 22 01 95 59
Asia	+65 6879 22 00	Great Britain	+44 1977 636 200	Poland	+48 22 435 14 00
Austria	+43 616 46 11 0	Greece	+30 2 10 544 05 40	Portugal	+351 21 723 08 32
Belgium	+32 2 288 99 33	Hungary	+36 23 50 75 00	Spain	+34 91 722 08 40
Czech Rep.	+420 2 2489 0511	Italy	+39 02 54 068 370	Sweden	+46 40 38 36 50
Denmark	+45 45 81 3701	Luxembourg	+352 480 481-1	Switzerland	+41 22 306 66 00
France	+0 800 771 522*	Netherlands	+31 70 318 04 80	Other	+33 1 41 35 40 00

Find your local contact at www.lubricants.total.com



TOTAL LUBRIFIANTS

16 rue de la République - F 92922 Paris La Défense Cedex Tél. : 33 (0)1 41 35 40 00 - www.lubricants.total.com

Oils and Greases for Paper Mills

Meet your productivity and reliability requirements





LUBRICANTS SPECIALLY DESIGNED TO YOUR NEEDS

TOTAL Products

TRANSMISSION

Complete range of approved

Reduced consumption due to

outstanding water resistance

lubricants for all types of machines

EQUIVIS ZS

CERAN PM

RUBIA

properties

Wood yard

Handling equipments

Transmissions and hydraulic systems

Paper machine

TOTAL Products

Wet section -Press section - Dry section

MISOLA ASC • **MISOLA AF** •

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 •

ash-free oil

Cleans efficiently the lines

Responding to VOITH/METSO specifications

Synthetic high temperature

Excellent protection against high temperature wear

Circulation oils

Conveyors / Bearings

Lubrication of motors

Presence of water, dust, chocs

CERAN GEP 0

KASSILA GMP

Reduced wear and consumption by improved adhesivity

Extended gear and bearing life

Excellent anti-corrosion properties

Chains / Open gears Humid environment, choc,

dust, high load, low speed

Closed gear boxes

Humid environment. dust, high load

Pulp mill

CARTER VP/CS

KASSILA GMP

Extended lifetime through high anti-wear and anti-corrosion properties

Agitators / gears

Blending units Gear lubricants Pumps, screens, refiners

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

Finishing section

Reduced grease consumption and reduced bearing failures

Shafts and wide gears

MISOLA MAP

MISOLA MAP SH

Super calander

Circulation oils

Greases for dry section

Electrical motors - ventilators

ALTIS EM2 • **ALTIS SH2**

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



Coated machine

Ash-free oils