

# TOTAL ANAC MAKES THE DIFFERENCE!

+ 4,000,000 diagnostics since the start  
 + 200,000 diagnostics / year  
 + 470,000 mechanical components monitored  
 + 30 years of experience

## TOTAL ANAC experts available throughout the world

- **One central European laboratory**  
 This laboratory, based in Ertvelde (near Ghent in Belgium), applies the most modern oil analysis techniques and incorporates a very high level of automatization.
- **A network or connected laboratories:** Morocco, Mexico, Senegal, Cameroon, Kenya, Ghana, Dubai, Singapore, India...
- **19 languages used for diagnostics**
- **A technical contact at your disposal**

## TOTAL ANAC, more than just lubricant analysis

### A unique system of interpretation:

- The compensation system is based on sophisticated mathematical models which eliminate effects of oil top-up and duration of the oil bath.
- Calculation of the "wear coefficient" indicates the wear relative to an identical equipment in the database.
- The CAPS module recommends corrective actions to be undertaken, their probability of success and degree of urgency.



extranet for TOTAL ANAC users  
**TOTAL ANAC WEB**

www.anac-diagnosis.com

Get the most from your diagnostics using the TOTAL ANAC WEB application

TOTAL ANAC WEB, the management tool for TOTAL ANAC users, offers fast and user-friendly access to diagnostics and other functions for optimal management of all your analyses:

- Real-time access to diagnostics
- Results downloadable in PDF or Excel format
- History module
- Graphical evolution of analytical data
- Queries on administrative and analytical data
- Online recording of data of new samples



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## TOTAL LUBRIFIANTS

Immeuble Le Spazio  
 562, avenue du parc de l'île  
 92029 Nanterre cedex



You know where to turn

# THE TOTAL ANAC DIAGNOSTIC

Let your oil do the talking!



TOTAL LUBRIFIANTS, 562 avenue du Parc de l'île, 92029 Nanterre Cedex - FRANCE RCS 552 006 454 Nanterre - Photos and documents not contractually binding www.lubricants.total.com - Truck / Tractor / www.fresh-lubricants.com



# WHY CHOOSE TOTAL ANAC?

With TOTAL ANAC, the full range of oil analyses for all activities and applications:

- ✓ You **REDUCE** your operating costs
- ✓ You **ANTICIPATE** and **PLAN** maintenance operations at the optimal moment
- ✓ You **INCREASE** the lifespan of your equipment
- ✓ You **IMPROVE** your equipment's reliability and performance
- ✓ You **OPTIMISE** your oil change frequency

The TOTAL ANAC service, available throughout the world, gives you objective and scientifically proven answers, that are easy to understand and exploit.

## You manage a fleet of vehicles: TOTAL ANAC offers you its "flagship" product, TOTAL ANAC PRO.

In over 30 years, TOTAL ANAC has referenced approx. 15.000 types of mechanical components and engines and approx. 500.000 components are monitored in the ANAC database. That is why, TOTAL ANAC PRO offers you accurate and computerised interpretation of your oil analysis results.

A unique colour-code simplifies report reading. Using a data compensation system, TOTAL ANAC PRO is the solution offered to all fleet managers to accurately identify the wear condition of their vehicle driveline components.

## You need a personalized oil expertise: TOTAL ANAC EXPERT is for you.

This expert tool uses the TOTAL ANAC database in order to provide answers about the source of a failure or about any specific question regarding lubricants in service.

Measurements of TBN (or TAN) and oxidation, personalized comments by a specialist in engines and lubrication, TOTAL ANAC EXPERT is an in-depth analysis, recommended for troubleshooting or monitoring equipment operating in harsh conditions.

## For all components in the transmission system excluding the engine, TOTAL ANAC offers TOTAL ANAC Visio.

Recommended for analysing hydraulic oils (e.g.: construction equipment) or transmissions oils, TOTAL ANAC VISIO is the guarantee of an accurate diagnostic tool with a microscopic observation after filtration down to 5 microns. All debris, metallic or otherwise, are identified and a photograph of the observation is included in the report provided.

## TOTAL ANAC has also a range of in-depth analyses, specific to each industrial application.

### For a diagnostic suited to industrial gas piston engines, running on natural gas or biogas, choose TOTAL ANAC GAS.

This analysis is made taking into account manufacturers' recommendations for wear and lubricant specifications.



### With TOTAL ANAC INDUS, TOTAL is putting the technical skills and knowledge of its product engineers at your disposal.

At the heart of the INDUS system is a database including all characteristics specific to all TOTAL lubricants: use preventive rather than curative maintenance for optimal productivity of your equipment.



### Coolants also have their own analysis: TOTAL ANAC COOLANT.

In addition to lubricants, coolants play a major role in engine protection. For this reason, TOTAL ANAC also makes a diagnostic of your coolant enabling you to check its efficiency in protecting against corrosion and temperature.

# PROVEN RELIABILITY

In competition, just by analysing a simple oil sample, TOTAL engineers and technicians can monitor engine reliability.

TOTAL ANAC provides the same service, designed to make the right decisions in extreme operating conditions.

TOTAL ANAC, made available to you by Total, helps you to optimise maintenance and to reduce your fleet management costs.



# EASY TO USE

## Diagnostic-reports

The **WEAR COEFFICIENT** indicates the ratio between the wear of the engine and the wear of all identical engines in the database. A wear coefficient greater than 1 indicates higher wear than average for this type of component. The wear coefficient is the ideal parameter for identifying machines where the cost per kilometre or per hour can be reduced.



## The CAPS\* report

In the event of a red report, i.e. observed anomaly, the CAPS report indicates the corrective actions to be carried out and their probability of success based on statistical processing of customer feedback.



- Satisfactory diagnosis
- Slight deviations
- Anomaly noted
- A potentially dangerous anomaly

\*Customer Assisted Prognosis System



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