



What is the ANALYSIS Compared system of TOTAL?

TOTAL ANAC is a preventive maintenance tool and a fleet management system based on used oils analyses ensuring a **significant reduction of the TCO** of the customer by:

- Preventing possible breakdowns,
- Following regularly the condition of the lubricant and the wear of the mechanical components,
- Reinforcing the lifetime and the reliability of the machines,
- Optimizing the drain intervals in a safe way.

Our professional customers are active in the automotive (on-road or off-road), industrial and marine (Inland and international) sectors. TOTAL ANAC diagnosis service is sold worldwide by TOTAL affiliates to end-users.



TOTAL ANAC is a specialist in OFF-ROAD

How does ANAC generate the diagnosis and propose corrective actions?

The diagnosis and the corrective actions are generated by TOTAL ANAC OFF-ROAD system based on:

- **40 years of experience** and enrichment of the database TOTAL ANAC, more than **7 million analysis on 1 million monitored components**,
- **Customer feedbacks** on successful corrective actions,
- **A comparison between the measured values and the wear references** thanks to algorithms excluding variable parameters such as oil top-ups or drain intervals.



A major player
With our production, supply chain and commercial presence in more than **150 countries**, we deliver a full range of lubricants.

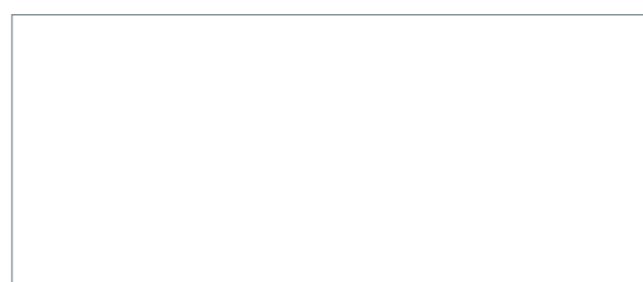
Support and partnership
Thanks to local technical presence, we provide a high level of service to optimize your Total cost of Ownership.

References & OEMs
Total Lubrificants cooperates with equipment manufacturers to create high-technology products for optimal performance and production of your machinery.



Innovation & Research
Total invests in biotechnologies to find the most suitable components to reach energy efficiency through formulations designed in our Research Centers.

Quality and environment
Total Lubrificants ISO 9001 certification is the guarantee of a long term commitment to quality. From the initial design stage, our R&D teams seek to develop products that minimize toxicity risks and environmental impact.



Safety Data Sheets are available at quickfds.com
total.com



TOTAL ANAC OFF-ROAD
Let your oil do the talking

Preventive maintenance tool and fleet management system:

- ✓ Extend the lifetime of your machine park
- ✓ Reduce the Total Cost of Ownership (TCO)
- ✓ Optimize reliability and performance



06/2019 - TOTAL LUBRIFIANTS SA 552 006 454 RCS Nanterre - Photos: 123RF, Shutterstock. Design: GOLDEN DESIGN





A preventive maintenance tool for all the components of your machine park

One analysis to cover all of your needs ensuring an optimal technical performance.



Reduces downtime of the entire machinery fleet.

Prevention of possible mechanical breakdowns.



Increases the lifetime of your machinery.

Decrease of the risk of excessive wear of the mechanical components.



Optimizes the maintenance costs.

Control of your maintenance budget.



Reduces the Total Cost of Ownership (TCO).

Optimization of the amortization of your machinery park.



Technical aspect

FDM (large iron particles)

Some mechanical components work in severe operating conditions and under high loads (original: under high load conditions and shocks) which can generate large wear particles of Iron (>5µm). The FDM measurement makes it possible to detect their presence.

TAN (Total Acid Number)

The hydraulic system is a key component for Off-Road machines.

TOTAL ANAC OFF-ROAD follows the evolution of the acidity of hydraulic oils in order to control its degradation over time.

This follow-up allows the safe optimization of the drain intervals.

Our customers talk about us

Sébastien C.
Hardware Technical Inspector
NGE Group - France

Since **TOTAL ANAC** started monitoring our equipment, we have sharply cut machinery downtime, resulting in better availability. Efficient management of our lead times improves the profitability of our projects.

Guy Fredericks
Global Fleet Director
SARENS - Belgium

We estimate that we've avoided up to 20 engines breakdowns a year since we introduced a new maintenance strategy based on **TOTAL ANAC**.

anac-diagnosis.com

A simple and effective tool to manage your machinery fleet

A personalized and secure access to:

- **consult** new reports and previous sample results
- **visualize** the analysis results in graphical form
- **go in depth** with personalized requests
- **download** the results in excel or pdf format
- **view** under smartphones and tablets
- **manage** statistical modules
- **pre-register** data from new samples
- **better understand** through diagnostic assistance (CAPS) and Call back Button

The color codes of the measured characteristics



Available also via TOTAL ANAC QR App and its QR code system.

