



### 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 maintenance costs by:

- Preventing possible breakdowns,
- Following regularly the condition of the lubricant and the mechanical components' wear,
- 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 **AGRI**

How does ANAC generate the diagnosis and propose corrective actions?

The diagnosis and the corrective actions are generated by TOTAL ANAC AGRI 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.

5 good reasons for choosing TOTAL

#### 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](http://quickfds.com)  
**total.com**



## TOTAL ANAC AGRI

### Let your oil do the talking

Preventive maintenance tool by analytical monitoring:

- ✓ Extend the lifetime of your tractor and machinery
- ✓ Increase value of your equipment for resale
- ✓ Optimize reliability and performance

06/2019 - TOTAL Lubrificants SA 552 006 454 RCS Nanterre - Photos: 123RF, Shutterstock. Design: GOURN Design





## A preventive maintenance tool for all the components of your machinery

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



### Reduces downtime of your machinery.

Prevention of possible mechanical breakdowns.



### Increases the lifetime of your machinery.

Decrease of the risk of mechanical components excessive wear.



### Optimizes maintenance costs of your machinery.

Control of your maintenance budget.



### Increases value of your machinery for resale.

Optimization of the value for resale thanks to a complete and regular maintenance monitoring.



#### TRANSMISSION HYDRAULIC DIFFERENTIAL

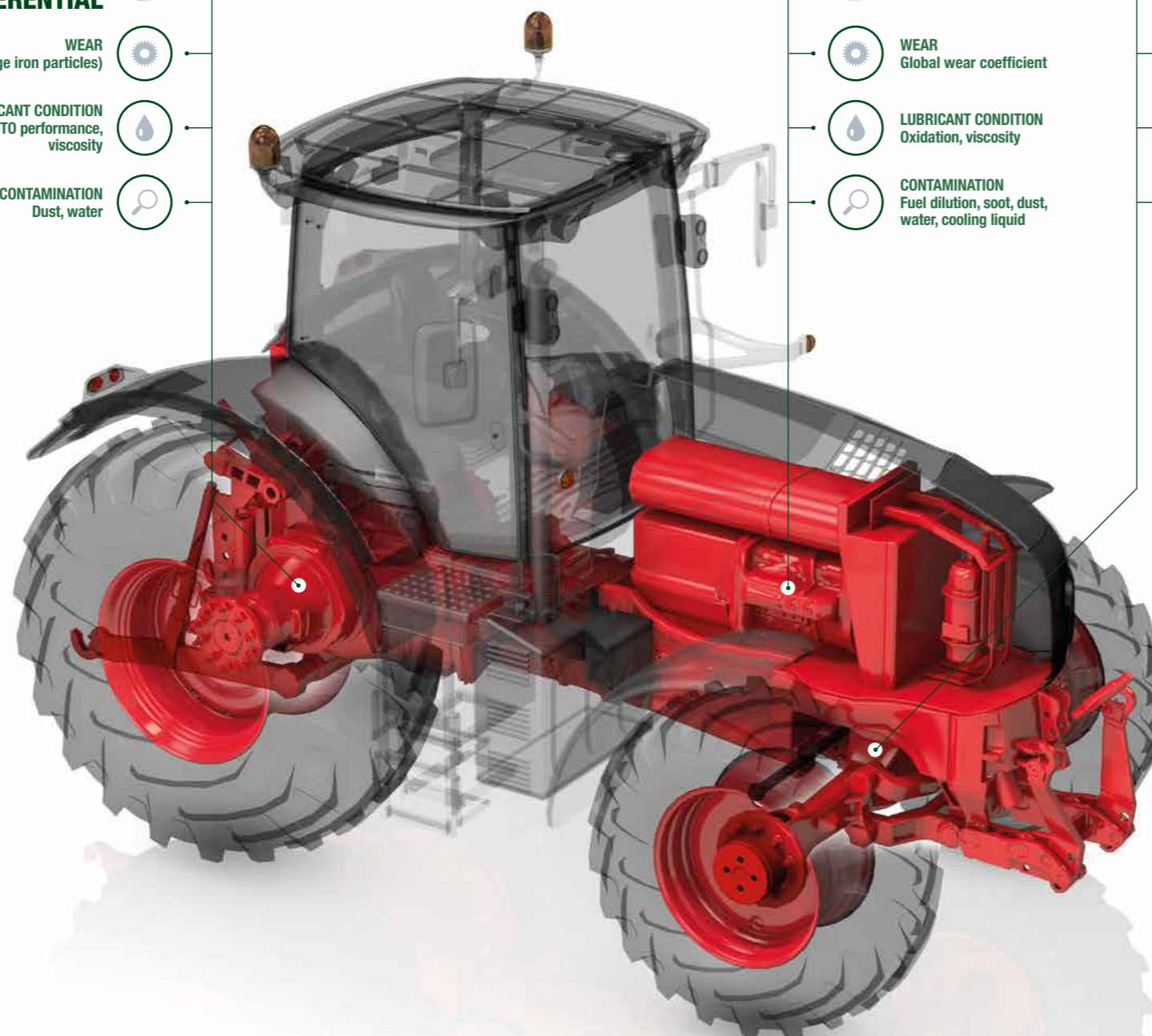
- WEAR  
FDM (large iron particles)
- LUBRICANT CONDITION  
UTTO performance, viscosity
- CONTAMINATION  
Dust, water

#### ENGINE

- WEAR  
Global wear coefficient
- LUBRICANT CONDITION  
Oxidation, viscosity
- CONTAMINATION  
Fuel dilution, soot, dust, water, cooling liquid

#### DIFFERENTIAL

- WEAR  
FDM (large iron particles)
- LUBRICANT CONDITION  
Viscosity
- CONTAMINATION  
Dust, water



## Technical aspect

### Universal Tractor Transmission Oil (UTTO)

The hydraulic oil of the auxiliary equipment can contaminate the gear oil and cause noise in the transmission leading to some damages in the brake systems.

**TOTAL ANAC AGRI** detects the presence of hydraulic oil in the gear oil in order to control the dilution of the conventional hydraulic oil in it.

### FDM (large iron particles)

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

**TOTAL ANAC AGRI** proposes this new measurement in order to guarantee a better follow-up of these mechanical components.

## Our customers talk about us

### Thierry BOLOT, Technical director, FAUPIN Group - France

ANAC oil analyses have improved preventive maintenance of our high-wheel tractors with regular checks of engine condition. We need machinery in good working order all year round. Plus, the analyses give us food for discussions with our manufacturer on machinery operation.

### Alejandro CASTILLO, Agricultural Division Manager / Engineer Ser San Antonio - Nicaragua

We use the ANAC service every year to check motor, axles oil quality and to spot and prevent potential premature wear.

[anac-diagnosis.com](http://anac-diagnosis.com)

## A simple and effective tool to manage your machinery

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



- Measurement of the mechanical wear
- Follow-up of the lubricant condition
- Measurement of possible contaminations

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

