

# **ORITES TN**

Oil for lubricating and seal-up of ammonia synthesis turbo compressors



# ORITES TN is a blend of highly refined base oils and specific additives,

formulated for ammonia synthesis turbocompressors in nitrogen fertilizer plants. It is also suitable for turbine applications.

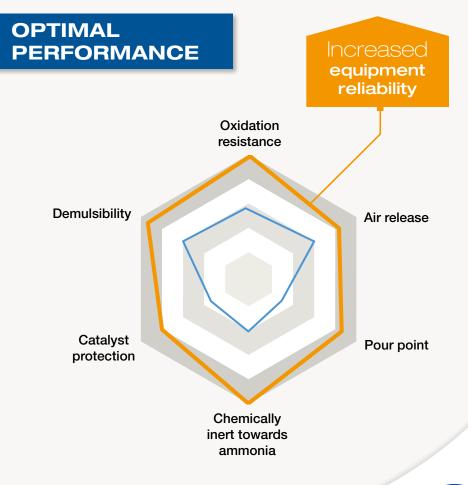
## CUSTOMER BENEFITS

- Maintenance costs savings
- > Long oil life
- > Excellent protection of mechanical parts

ORITES TN

Standard turbine oil

Maximum catalyst protection









#### **EXCELLENT PROTECTION** OF MECHANICAL PARTS

Deposit formation test in presence of NH<sub>a</sub>

less particule formation



Standard turbine oil



ORITES TN is specifically formulated with hydrocracked based oil and high performance additives chemically inert towards ammonia thus ensuring a low deposit formation.

## **APPROVAL**

MAN TURBO

### **REFERENCES**

- DRESSER-RAND
- THERMODYN
- SIEMENS

#### ORITES TN 32 ensures at the same time lubrication of compressors and turbine bearings, and lubrication of compressors wet seals.

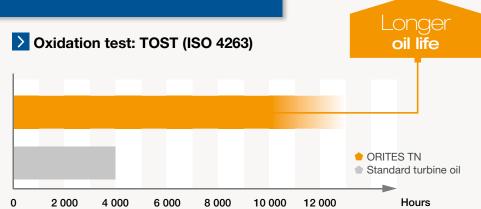
#### **TOTAL ORITES TN 32**

behaves very well in contact of ammonia, a load of 1 000L has a lifetime up to 5 years. I invite TOTAL to recommend this oil to other manufacturers of ammonia, who will be like us, satisfied with a product answering very well our constraints.

Mechanical and maintenance team leader of a fertiliser company



#### **INCREASED OIL LIFE**



#### Oxidation test in presence of NH<sub>3</sub>



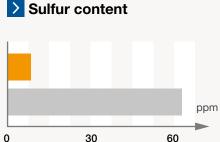
Standard turbine oil



**ORITES TN** 

**ORITES TN** shows an excellent oxidation resistance even in presence of ammonia, thus ensuring an extended oil drain interval.

#### **MAXIMUM CATALYST PROTECTION**



**ORITES TN** is based on highly refined oils with a very low amount of sulfur, thus protecting catalyst performance to maintain the reaction yield.

ORITES TN Standard turbine oil

www.lubricants.total.com/pro/industry.html