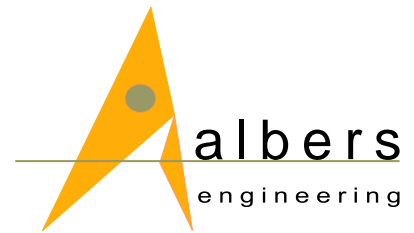


Oxidation Roll Tester

Oxi-T200-P2



Oxidation Roll Tester Oxi-T200-P2

(The actual appearance of the Instrument may differ slightly from the illustration)

Description

The Oxidation Roll Tester OXI-T200-P2 submits grease to stress similar to the use in a ball bearing. The basic test principle is identical to the one used for roll stability tests according to ASTM D 1831. Additionally the OXI-T200-P2 offers the option of piping a **controllable flow of gas** through the test cylinders during rotation. Thus an adjustable testing atmosphere in direct contact with the grease sample is achieved.

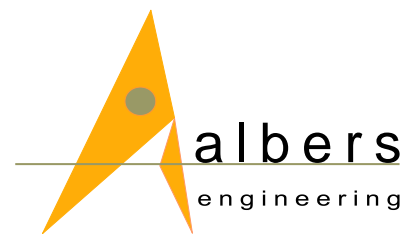
Combining mechanical stress and adjustable atmosphere creates realistic conditions for examining various grease properties and thereby a unique possibility for **analyzing the degradation process** of grease.

By taking samples and/or using gas analysis a closer look at the chemical processes (oxidation, decomposition, etc.) taking place during the test is possible.

Results obtained by this method may be used for **efficient optimization** of greases

Oxidation Roll Tester

Oxi-T200-P2



The Oxidation Roll Tester is especially designed for long test runs and temperatures up to 200 °C. It is also capable to perform ASTM D 1831 test runs using 2 standard test cylinders of the Albers Engineering RST-T200-P4.

During the test period the exterior of the test apparatus is safe to touch at all times even at the highest temperature setting. This is due to the use of high-quality thermal insulation and cooling design.

The test rig is designed to process two grease samples simultaneously. Due to its rugged design the Oxidation Roll Tester is capable to perform test runs of 300 hours or more.

The whole test procedure is controlled by a Programmable Logic Controller (PLC) equipped with a touch sensitive color display. The user interface allows changing test conditions especially rotation speed, temperature and air flow.

Specifications

Rotation Speed:	100-200 1/min
Air flow:	0-200 ml/min
Test temperature:	up to 200 °C
Voltage:	220 V / 240 V , 50 Hz
Power:	1,8 kW
Dimensions:	700 x 780 x 690 mm (W x H x D)
Weight:	ca. 95 kg

Features

- Controllable air flow during test period
- Possible analysis of grease degradation processes
- Designed for long test runs at temperatures up to 200 °C
- PLC with touch sensitive color display
- Low noise operation
- Uniform heat distribution
- Protection against overheating

Accessories

- 2 special stainless steel test cylinders
- 2 Stainless steel rollers (5 kg +/- 50 g)
- Mounting support for test cylinders