

## 3 PHASE OIL TRANSFORMER TEST REPORT

### TEMPERATURE RISE TEST

(according IEC 60076-2)

Type:	DOT 400 / 30	Purchaser:	Memco Multi Electrom.
Serial No.:	AR/10/000204/0025	Specification:	PEA MOF/SSC - 1 LOT 1
Rated power kVA	400	Cooling	ONAN
Rated voltage kV	33 ± 3x2.5% / 0.40	Tap position	4
Rated current A	7.0 / 577.4	Current (pos.7) A	7.57
Voltage (pos.7) V	30525		

#### Guaranted values

No-load losses	P <sub>0</sub> ( W )	780	Temperature rise of the windings	60 K
Load losses ( 75 C )	PI ( W )	4500	Temperature rise of the top oil	55 K

#### Measurement values at the start of temperature-rise test

P <sub>0</sub>	747 W	Oil temperature	25.1 C
PI (pos.7)	4777 W	Ambient temperature	24.9 C

#### Calculation values at the end of temperature-rise test (resistance method)

Temperature rise of the top oil ΔΘ	=	46.2 K
Temperature rise of the L.V.winding ΔΘ	=	50.7 K
Temperature rise of the H.V.winding ΔΘ	=	57.1 K

### THE TRANSFORMER HAS PASSED THE TEST

Remark: The execution of the temperature-rise test has been supervised by the FGH Test Inspector Mr. Karl Hartz and has been stated correct

Date: 26.04.2010



Testers names: GENNADY  
RAFY

Inspector: Hartz

Independent test laboratory accredited acc. to DIN EN ISO/IEC 17025 by Deutsche Akkreditierungsstelle Technik (DATech) e.V. in the fields of high-voltage equipment and components, power cables and their accessories, electromagnetic compatibility (EMC) - quality of voltage and flicker.

Member Laboratory of the Short-Circuit Testing Liaison (STL)

FGH Engineering & Test GmbH · Hallenweg 40 · 68219 Mannheim · Germany  
Telefon +49 (0)621/8047-0 · Telefax +49 (0)621/8047-259 · www.fgh-ma.com · info@fgh-ma.com