

ANALISIS FURAN PADA TRANSFORMATOR DENGAN METODE KROMATOGRAFI CAIRAN KINERJA TINGGI

Klien/Proyek	: Graha Cempaka Mas/Apartemnt	Tegangan	: 20000 Va
Pabrikan/Tahun	: Trafindo/1994	Kapasitas Minyak	: 1100 L
Nomor Seri	: 123456789	Catatan	: _____
Rated Power	: 2000 kva		

Hasil Uji (Nilai Konsetrasi Dalam Parts Billion [ppb])

Parameter	1	-	BATAS TRANSFORMER 2FAL STANDARD FIST-3-31:2003
	Tanggal Sampling 6/6/2023	-	
	Tanggal Terima 6/6/2023	-	
	Tanggal Pengujian 6/6/2023	-	
5HMF			
(5-hydromethyl-2-furakhydel)	0	0	
5HMF			0-292 pbd Normal Aging Rate
(5-hydromethyl-2-furakhydel)	1	1	0-292 pbd Normal Aging Rate
5HMF			0-292 pbd Normal Aging Rate
(5-hydromethyl-2-furakhydel)	1	1	0-292 pbd Normal Aging Rate
5HMF			0-292 pbd Normal Aging Rate
(5-hydromethyl-2-furakhydel)	1	1	0-292 pbd Normal Aging Rate
5HMF			
(5-hydromethyl-2-furakhydel)	1	1	
Total 2FAL	0/5* = 0.0	-	5* Faktor Koreksi
Total Furan	1	-	-
Estimate DP	1	-	-

- Berdasarkan hasil uji sample tersebut maka trafo mengalami Normal Aging Rate
- Berdasarkan hasil uji sample tersebut maka trafo mengalami Normal Aging Rate
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- Berdasarkan hasil uji sample tersebut maka trafo mengalami Normal Aging Rate

Tangerang, 16 juni 2023

Diuji Oleh :

Resita Nur Ambya
Analisis Laboratorium

Diperiksa

Oleh :

Disetujui Oleh :

Ahmad Kharis Ahmad Sujarwo
Kabag In Manager In House Service
House

TEST RESULT OF OIL ANALYSIS

Customer : Edo Laksana Widodo

Project : Hotel/Apartment

No. Documen :

Tgl/Rev. Form :

Tgl/Rev. Isi Dok :

Halaman :

DATA TEKNIS TRANSFORMATOR

Merk : Brush **Tegangan** : 138000 / 3450 V **Tahun** : 1999 **Catatan** :
Kapasistas : 5000 Kva **Tag No.** : 50-EE-2112A **Vector** : Dyn-Group 1
No Seri : 7171771 **Temp. Oil** : -5* **Jumlah** : 2156
Oil L

HASIL PENGUJIAN OIL ANALYSIS

STANDAR QUALITY OF OIL ANALYSIS			METHOD			BATASAN NILAI PENGUNJIAN		
			1	2	3			
			1	1	1			
			1	1	1			
			1	1	1			
			1	1	1			
			08/08/2023	-	-	Poor	Pair	Good Condition
Color / Appereance	ASTM Color	ASTM D1500	5	-	-	>3.5	-	3.5 Poor
Breakdown Voltage (Dielectric Strength)	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Interfacial Tension	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Total Acid Number (TAN)	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Water Content	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Oil Quality Index (OQIN)	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Sediment & Sludge	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Density	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Corrosive Sulfur	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST
Flash Point	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TESTTEST

Kesimpulan :

Berasarkan IEC 60422:2013, Sample Minyak Trafo berada pada kondisi Poor

Rekomendasi :

Lakukan Purifikasi Oli atau pergantian Oli

Tangerang, 09 August 2023

Di uji Oleh,

Di Periksa Oleh,

Di Setujui Oleh,

Farhan Aditya
(Analisis Laboratorium)

Ahmad Kharis
(kaBag. In House Service)

Ahmad Sujarwo
(Manager In House Service)

