TRAFINDO
PT TRAFOINDO PRIMA PERKASA

ANALISIS FURAN PADA TRANSFORMATOR DENGAN METODE KROMATOGRAFI CAIRAN KINERJA TINGGI

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

Parameter	Hasil Uji (Nilai Konsetrasi Dalam Parts Billion [ppb])		BATAS TRANSFORMER 2FAL STANDARD FIST-3-31:2003
	1	**-**	
	Tanggal Sampling 6/6/2023	-	
	Tanggal Terima 6/6/2023	-	
	Tanggal Pengujian 6/6/2023	-	
5HMF (5-hydromethyl-2-furakhydel)	**0**	**0**	
5HMF (5-hydromethyl-2-furakhydel)	**1**	**1**	**0-292 pbd Normal Aging Rate**
5HMF (5-hydromethyl-2-furakhydel)	**1**	**1**	**0-292 pbd Normal Aging Rate**
5HMF (5-hydromethyl-2-furakhydel)	**1**	**1**	**0-292 pbd Normal Aging Rate**
5HMF (5-hydromethyl-2-furakhydel)	**1**	**1**	**0-292 pbd Normal Aging Rate**
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
- Berdasarkan hasil uji sample tersebut maka trafo mengalami Normal Aging Rate
- Berdasarkan hasil uji sample tersebut maka trafo mengalami Normal Aging Rate

Tangerang, 16 juni 2023

Diuji Oleh :	Diperiksa Oleh :	Disetujui Oleh :
Resita Nur Ambya Analis Laboratorium	Ahmad Kharis KaBag In House	Ahmad Sujarwo Manager In House Service

TRAFINDO
PT TRAFOINDO PRIMA PERKASA

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 Group**	: Dyn-1		
No Seri	: 7171771	**Temp. Oil**	: -5*	**Jumlah Oil**	: 2156 L		

HASIL PENGUJIAN OIL ANALYSIS

STANDAR QUALITY OF OIL ANALYSIS		**METHOD**	**1** **1** **1** **1** **1** **1** **08/08/2023**	**2** **1** **1** **1** **1** **1** **-**	**3** **1** **1** **1** **1** **1** **-**	**BATASAN NILAI PENGUNJIAN**			
						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	TEST	TEST
Interfacial Tension	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Total Acid Number (TAN)	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Water Content	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Oil Quality Index (OQIN)	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Sediment & Sludge	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Density	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Corrosive Sulfur	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST
Flash Point	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST	TEST

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 **(Analis Laboratorium)**	**Ahmad Kharis** **(kaBag. In House Service)**	**Ahmad Sujarwo** **(Manager In House Service)**

Page 3