

**MOCA**  
**The Only Solution**

# Hasil Lab. Filter Solar



**PT PETROLAB SERVICES**  
Independent Laboratory

## ANALYSIS REPORT

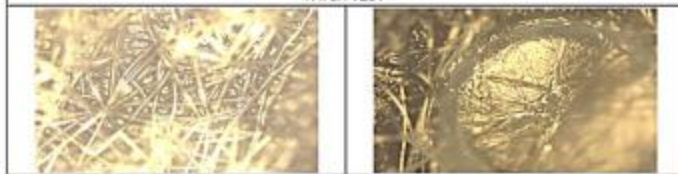
No. 00129NE-DANGAN/23

Customer Name : PT. UNITED TRACTORS, Tbk  
Address : J. Raya Bekasi km. 22 Cikung Jakarta 13910  
For Customer : PT. PO SAN  
Eng Location :

Unit No/IN : BM 7961 JU  
Eng. Type/Model :  
Sample Name : FUEL FILTER WITHOUT MOCA  
Typical :  
Reg Order : SPB Cusl. 01/POSAN/K/2023

Test Detail			Overall Analysis Result		
Lab Number	02953/01/23				
Sample Date					
Receive Date	2023-09-11				
Analysis Date					
Report Date	2023-09-19				
Hours on Oil	10000 Km				
Hours on Unit					
Sample Name	FUEL FILTER WITHOUT MOCA				
No	Parameter	Unit	Method	Result	Typical
1	Water Content	%vol	ASTM D371-14	29.80	
2	Sediment and Sediment <sup>1</sup>	%	In House Methods	62.62	
3	Monoglyceride <sup>2</sup>	%wt	ASTM D5584	1.10	
4	Free Glycol <sup>3</sup>	%wt	ASTM D5584	1.38	
5	Total Acid Number (TAN)	mg KOH/g	ASTM D974-22	0.15	
6	Free Fatty Acid	%	In House Methods	0.076	
7	Patch Test <sup>4</sup>	-	In House Method		

### PATCH TEST



Gambar 14.1. Hasil Uji Filter Solar Tanpa MOCA



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## ANALYSIS REPORT

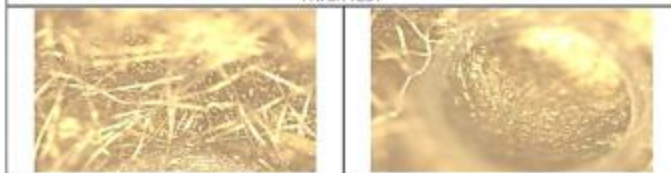
No. 00128NE-DANGAN/23

Customer Name : PT. UNITED TRACTORS, Tbk  
Address : J. Raya Bekasi km. 22 Cikung Jakarta 13910  
For Customer : PT. PO SAN  
Eng Location :

Unit No/IN : BM 7968 JU  
Eng. Type/Model :  
Sample Name : FUEL FILTER WITH MOCA  
Typical :  
Reg Order : SPB Cusl. 01/POSAN/K/2023

Test Detail			Overall Analysis Result		
Lab Number	02952/01/23				
Sample Date					
Receive Date	2023-09-11				
Analysis Date					
Report Date	2023-09-19				
Hours on Oil	10000 Km				
Hours on Unit					
Sample Name	FUEL FILTER WITH MOCA				
No	Parameter	Unit	Method	Result	Typical
1	Water Content	%vol	ASTM D371-14	29.45	
2	Sediment and Sediment <sup>1</sup>	%	In House Methods	62.62	
3	Monoglyceride <sup>2</sup>	%wt	ASTM D5584	1.20	
4	Free Glycol <sup>3</sup>	%wt	ASTM D5584	2.26	
5	Total Acid Number (TAN)	mg KOH/g	ASTM D974-22	0.15	
6	Free Fatty Acid	%	In House Methods	0.076	
7	Patch Test <sup>4</sup>	-	In House Method		

### PATCH TEST



Gambar 14.2. Hasil Uji Filter Solar dengan MOCA



**PT. MOCA ANUGRAH INDONESIA**

 **0822-1122-1488** (WA ready)

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 <https://moca-station.com>

### JAKARTA

- Jl. Lingkar Blok I 1/2 , Matraman, Jakarta Timur

### MALANG

- Jl. Taman Indragiri 2, Blimbing, Kota Malang
- Jl. Mayang 20, Blimbing, Kota Malang



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