



TEST REPORT TUCHENG

Date: _____ Date of Receipt: _____

Report No.: _____ Quantity: _____ Page Order/Pages: _____ Ref. No.: _____

Report Title: _____ Item: _____

Address: _____

Oil Filter Test Report

ISO 16889:2008			
Test circuit			
Test fluid: MIL H 5606			
Viscosity (mm ² /s) :14.7		Temperature (°C) :40	
Anti-Static Additive: STADIS 450		Conductivity(pS/m):1909	
Test dust: ISO 12013-A3			
Test flow rate (L/min):40		Initial volume (L) : 20	
Upstream concentration (mg/L):10			
Injection circuit			
Parameters	Initial	Final	Average injection parameters
Injection volume (L)	12.0	9.4	Injection flow rate (L/h):4.0
Concentration (mg/L)	6000	6000	Concentration (mg/L):6000
Counting circuit			
Parameters	Counter	Flow rate (mL/min)	Dilution rate
Upstream	PAMAS 2120	25	9.97
Downstream		25	9.98

- Note: 1.This report is only responsible for the submitted sample(s), which will be kept for one month period.
- 2.This report cannot be reproduced in any way, except in full context, without the prior approval in writing of this Department of Testing and Certification.
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Authorized by president of
Taiwan Textile Research Institute

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Initial differential pressure at test flow rate								
Filter housing:0 hPa				Assy:250 hPa				
Filter element:250 hPa				Final Δ P element :980 hPa				
Time interval	Time (min)	Δ P element (hPa)	Injected mass (g)	Time interval	Time (min)	Δ P element (hPa)	Injected mass (g)	
10%	3.9	258	1.56	60%	23.4	301	9.36	
20%	7.8	263	3.12	70%	27.3	328	10.92	
30%	11.7	270	4.68	80%	31.2	379	12.48	
40%	15.6	276	6.24	90%	35.1	516	14.04	
50%	19.5	286	7.80	100%	39.0	980	15.60	
Dirt holding capacity								
Total injected test dust M_i (g):15.6					Retention capacity (g):14.0			
Final dust concentration at 80 % of final Δ P(mg/L):35								
Average beta ratio								
Filtration Rate(β)			2	10	75	100	200	1000
Size(μ m(c))			12.05	29.75	38.55	39.79	40.94	43.29

Test Sample



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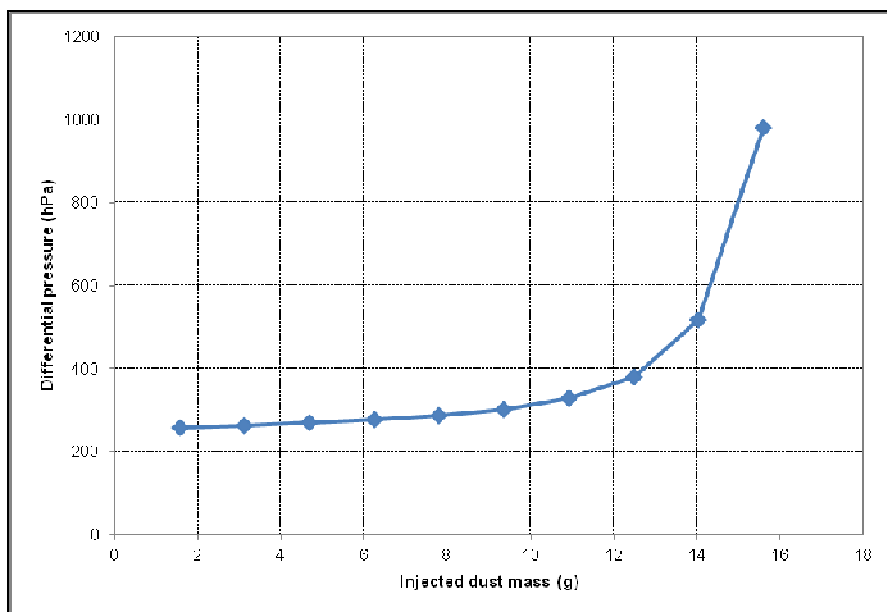


Fig. 1: Differential pressure vs injected mass

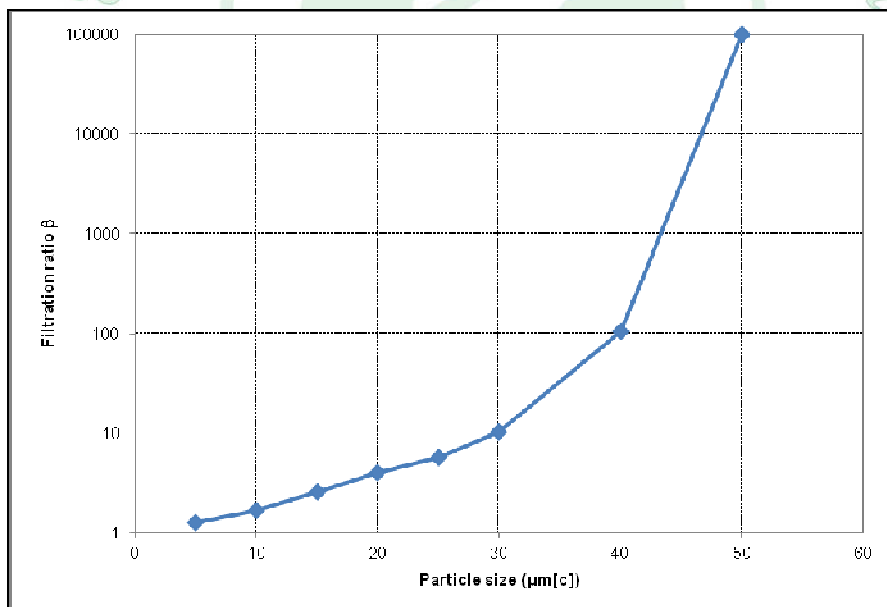


Fig. 2: Average filtration ration vs particle size

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