



ParticleView 5

Particle Analysis Conforming to:

ISO16232, VDA19.1, ISO4406

as well as customer specific standards

Quick - User-friendly - Accurate



Time Saving

- Analyze in less than 2min (47mm filter)
- Fast automatic settings for light & treshold values.
- List of templates for different standards.

Analyze System in Two Models

- ParticleView HR(Particle analyzis from 3,5µm)
- ParticleView Lite(Particle analyzis from 20µm)

Features:

- Conforms to: ISO16232, VDA19.1, ISO4406 as well as customer specific standards.
- Preset or order templates
- Autofocus for every image improves accuracy
- Reflective mode for detecting metallic particles
- Analyze filters from 25-90mm
- Standard templates or custom reports (Excel & PDF)
- Tech support remotely with screen sharing





"All shiny things are not valued as gold..." What is the composition of the particle?

Technical Cleanliness

Industry focus on sustainability means new components are designed with advanced functions sensitive to harmful particles.

The need for controlling particle cleanliness in the manufacturing process are now mandatory for many components in the industry.



When was the particle created?



How harmful is the particle?

Particle Analysis

Normally made in two steps; 1. Exctraction of particles from component 2. Gravimetric measurement or analysis by a particle counting microscope

The particle extraction is normally performed in a controlled environment with an extraction unit designed for the component and a validated method according to specified standard.

Reporting in ParticleView



Report no: PV4.1-002 09-jun-22 **Cleanliness Report**



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General:	2000 W - 20				
Analysis performed by:	Nyli Metrology AB				
Operator:	Joakim Thorn				
Contact:	joakim@nyli.se				
Phone no.:	0522 - 646 644				
Order no.:	7053				
Customer/Component:					
Customer:	292222				
Customer contact:	bbbbbb				
Component:	Cooler				
Part number:	ceretre				
No.analyzed;	1				
Extraction		Analysis:			
Procedure:	Agitation	Analysis system:	LV150 (id:14-019. 14-020)		
Extraction Fluid	G60	Software:	Particleview 4		
Fluid temp:	55-60°C	Analysis Method:	QL-004-10 Edition 3:2020		
Fluid Conc:	2,5%	Reference stage:	id: 371		
Test volume:	550	Digital image res.:	1,3685		
Fluid Analyzed:	100%	Filter area analyzed:	100%.		
Fluid Pressure/flow rate:	1,5 LPM	Gray Value:	55% (±5%)		
Rinsing Nozzle:	2,5 mm	1") Threshold Value:	75 (53%)		
Filter type:	0,65 µm filters.		C100700007		
Filter size:	47mm	Requirement docum	Requirement documentation:		
		Standard doc.:	15016232		
Extraction performed by:	Nyli Metrology AB	Wetted Area:(cm2)	12065		
Extraction is not included	in the accreditation	G-number:	1		
Comments					

The analysis is traceable to the national phsylcal leboratory with UKAS number 0478
This report may not be reproduced other then in full, except if Hyll has given written.
For the terms of occreditation and uncertainty see last page.

Joakim Thorn /

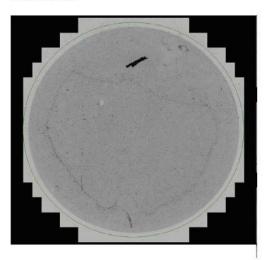






Cleanliness Report







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ncentration	6330	3669	37		0,3	8 8	- 4		
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District Code	- 4			- Ord		
Largest porticle (blank test)			248 jan		1 - 112	
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Particle sizes smaller then 15µm is not included in the accreditati

TEST SUMMARY:



Cleanliness Report

















References

VOLVO

Construction Equipment













Complete cleanlab, designed and delivered to Mitsubishi
Turbochargers and Engine Europe, Almere, Netherlands.
extraction cabinet, particle counting system
instruments and stainless steel furniture
– all delivered by NYLI Metrology.

Why Choose NYLI as a supplier?

- 50 years of experience as a specialized supplier for automotive and aero industry.
- Design, assembly and quality control all made in Sweden
- Customized customer solutions possible
- Our ambition is to make the complex simple
- Installation, service, Training and support, accessed by our specialized engineers from NYLI or our certified distributors.
- CE and RoHS certified products

