Technical Bulletin No: 20-2016

Title:	Thorough Examination and Test of Dust Extractors						
Priority	Amber – Audit Rating: Non-Conformance-Minor						
Legislation:	CoSHH Regulation 9, PUWER, HASWA S6, E@WR						
Brief Description:	Dust extractors for capture of construction dust fall under the scope of Regulation 9 of CoSHH requiring a Thorough Examination and Test (TExT) – HAE have developed a test kit (HAE TEXT) to complete the process						
Equipment Affected:	All vacuum cleaners and dust vacs plus M or H Classification Dust Extractors						

Overview:

As per HSE publication CIS69 (<u>http://www.hse.gov.uk/pubns/cis69.pdf</u>) – *Controlling Construction Dust with On-Tool Extraction*, the use of a M or H classification dust extractor is required to comply with the stringent Workplace Exposure Limits (WELs) for construction dusts.

Hire companies nationally are seeing a significant increase in demand for M or H classification dust extractors. This demand will continue to grow as managing the risks associated with construction dust is a HSE key focus. In the last twelve months 60% of formal HSE enforcement action on sites has been for poor or non-existent construction dust management.

We have been working directly with the HSE's Respiratory Risk Team, the Construction Dust Partnership and our supplier members to ensure that we have a strategy to support our members and industry customers. A low cost HAE TEXT Kit has been produced that includes step by step guidance and necessary test equipment to complete the process. This is now available through HAE Direct.

Required Actions:

For non-classified dust extractors and vacuums, label D (as below) <u>must</u> be fitted in a prominent position. Clients that still hire machines that are not classified are risking HSE action. Non-classified vacs may be used for wet collection (if designed for task) and domestic debris but not dry construction dusts.

For M or H class dust extractors (with manufacturer fitted labels A or B as below) a Thorough Examination and Test must be completed. This includes a visual examination and air velocity measurement. A very simple method has been identified for this along with a test kit. Simply order a HAE TExT Kit – go to: <u>http://www.hae-safetyleaflets.co.uk/products.cfm</u> **Part Number: HAE TExT**

A) - Typical I	M Classific	ation Label	B) - H Clas) - H Classification Label HAE TEXT Kit			t		
MX	IM	H							
C) – HAE Label 3096 for all vacs and extr	6 – Good ractors	D) – 3097 – Mus to all non-class	t be fitted ified vacs	E) - 3098 – Good for all vacs and extractors		F) - 3099 –optional label for non-classified vacs			
THIS UNIT WILL <u>NOT</u> BE COLLECTED UNLESS <u>EMPTY</u>		WARNING THIS UNIT IS NOT CLASSIFIED FOR CAPTURE OF CONSTRUCTION DUSTS		DUST BAG AND FILTER <u>MUST</u> BE USED AT ALL TIMES. THIS UNIT <u>MUST</u> BE RETURNED EMPTY – CLEANING IS CHARGEABLE			WARNING NOT TO BE USED FOR ON-TOOL DUST EXTRACTION / CAPTURE		
Additional Information:	 Review hire fleet and workshop vacs and extractors and update labelling Complete Thorough Examination and Test (TExT) and issue a test certificate – the HAE TExT kit includes all information and test equipment required to complete the TExT Share CIS69 with clients at point of hire and via marketing Review HAE Dust Management in Hire Code of Practice 								
Circulation:	Circulation: workshops, mobile service and management teams								
-			Bulletin		. Cre	ation			

Title:	Dust Extractor TExT	Bulletin Number:	20 - 2016	Creation Date:	12/04/2016
Authors:	TfH Ltd	Reviewed by:	Tech. H&S	Revision:	V1.1

Technical Bulletin No: 20-2016



On-Tool Extraction Unit TExT Report - Template

Name	and address of (Client or Hi	employer respo re Company)	onsible							
Date o	of Current TExT	TExT dd/mm/yy Date of last TExT dd/mm/yy								
Dust Ex	Dust Extractor Make & Model Fleet / ID or Serial Number					ber				
Accessor	ies Included? T	ick below or list	here – for	hoses r	record Internal Diameter (ID)	in mm				
□ Hos	□ Hose 1 – ID mm □ Hose 2 – ID = mm □ Lance / vacuum head? □Adaptors?									
		Visua	l Examina	tion		Pass	- Fail - n/a	or Detail		
Extractor	classification of	lecal (M or H) at	tached an	nd legibl	е					
Good ext	ernal conditior	i? No cracks in b	ody? Fran	ne intac	t?					
Wheels /	castors / brake	es – present / go	od condit	ion / wo	orking?					
Hose in g	ood condition,	no cuts, holes, o	couplings	present	and cleaned?					
Body sea	l intact? New b	ag fitted? Body	/ bucket c	lean?						
Filter Cor	ndition? – reco	d date of last re	placemen	it if knov	wn					
Is machir	ne clean after tl	ne filter i.e. no d	ebris on c	lean sid	e / at exhaust port?					
Cable, pl	ug and switche	s / selectors – Co	ombined I	nspectio	on & Test (PAT) Complete?					
		Technical Perfo	ormance N	Measure	ement	Res	ults – Pass Detail	/ Fail /		
Hose 1 -	Indicated Max	imum Air Veloci	ty	m/s	Hose 2 – Indicated Maxim	num Air Ve	locity	m/s		
		ls t	the air vel	ocity 20	m/s or higher? – if yes – reco	ord a pass	Pass	/ Fail		
Blocked sele	filter indicator ctor switch? If	test – record air yes complete te	[•] velocity v st 1 & 2 if	when in no, go t	dicator operates – is machine to test 3 – (see Step 4A in HA	e fitted wit E TExT Inst	h a variable ruction Ma	e hose size nual)		
Test 1	Set selector to largest sizeWhat size is selected?Restrict hose, until alarm activatesWhat sizeTest 1to largest selected?mmRestrict hose, until alarm activatesWhat size				What is the air sp	e indicated beed?	m/s			
Test 2	Set selector to smallest size	What size is selected?	mm	Restric / ligh	t hose, until alarm activates t on / gauge into red band	What is the air sp	e indicated beed?	m/s		
Test 3	Test 3What is the largest hose that is being supplied?Restrict hose, until alarm activates / light on / gauge into red band						e indicated beed?	m/s		
Does the alarm operate at 20 m/s or greater? – Pass if yes Pass / Fail										
Notes:										
Name of Test Engineer Job Ti			b Title		Hire Company / Branch		Signature			
L				I		1				

Title:	Dust Extractor TExT	Bulletin Number:	20 - 2016	Creation Date:	12/04/2016
Authors:	TfH Ltd	Reviewed by:	Tech. H&S	Revision:	V1.1

Technical Bulletin No: 20-2016



On-Tool Extraction Unit TExT Report – Complete Example

Name and address of employer responsible (Client or Hire Company)				Custon Sílíca	Customer híring machine is: MDF Construction Limited, 29 Silica Avenue, Woodville, Stonehaven ST12 4XZ					
Date of Current TExT dd/mm/yy 14/04/2016 Date of last TExT dd/mm					ım/yy	14/04/2	016			
Dust Extractor Make & Model Dustcontrol DC1800 Fleet / ID or Serial Number						mber	er TFH00162			
Accessories Included? Tick below or list here – for hoses record Internal Diameter (ID) in mm Lance and vacuum head. Adaptor for hilti wall chaser.										
M 11036	✓ Hose 1 – ID mm ✓ Hose 2 – ID =mm ✓									
Extractor	classification d	lecal (M or H) at	ttached ar	nd legible	2	P	ass – H Class			
Good exte	ernal condition	? No cracks in k	ody? Fran	ne intac	t?	P	ass			
Wheels / a	castors / brake	es – present / go	, ood condit	ion / wo	orking?	P	ass			
Hose in go	od condition,	no cuts, holes,	couplings	present	and cleaned?	P	ารร			
Body seal	intact? New b	ag fitted? Body	/ bucket c	lean?		P	ารร			
Filter Cond	dition? – recor	d date of last re	eplacemen	it if knov	wn	P	ass - 14 th July 2	015		
Is machine	e clean after th	ne filter i.e. no c	lebris on c	lean side	e / at exhaust port?	Pl	ารร			
Cable, plu	g and switches	s / selectors – C	ombined I	nspectic	on & Test (PAT) Complete?	Pl	Pass			
		Technical Perfe	ormance N	Measure	ment		Results – Pass / Fail / Detail			
Hose 1 - Indicated Maximum Air Velocity 51 m/s Hose 2 – Indicated Maximum						imum A	ir Velocity 🏼 🗲	з.9 m/s		
		ls ⁻	the air vel	ocity 20	m/s or higher? – if yes – re	ecord a	pass Pass	Fail		
Blocked fi selec	Iter indicator tor switch? If	test – record ai yes complete te	r velocity v est 1 & 2 if	when ind no, go t	dicator operates – is machi o test 3 – (see Step 4A in F	ne fitte IAE TExT	d with a variable Instruction Ma	hose size nual)		
Test 1	Set selector to largest sizeWhat size is selected?Restrict hose, until alarm activatesWillTest 1selected?mmRestrict hose, until alarm activatesWill				s What	is the indicated air speed?	m/s			
Test 2	Set selector to smallest size	What size is selected?	is mm Restrict hose, until alarm activates Wh ? mm / light on / gauge into red band				is the indicated air speed?	m/s		
Test 3What is the largest hose that is being supplied?36mmRestrict hose, until alarm activates / light on / gauge into red band						s What	is the indicated air speed?	з4 m/s		
		D	oes the ala	arm ope	rate at 20 m/s or greater?	– Pass if	yes Pass	Fail		
Notes: ∓í	lter inspected	using torch an	d prímarz	j filter n	vashed and inspected. Go	od condi	ition overall			
Name o	of Test Engine	er Jo	b Title		Hire Company / Branch		Signature			
Mr Colín O P Davís T and R Techní			z Technící	an 1	Bloggs Híre – Branch 143	2	C Davis	5		
Tit	le: Dus	t Extractor TE	хT	Bulleti Numbe	n 20 - 2016 ar:	Creat Date	ion e: 12/0	4/2016		

Tech. H&S

Reviewed by:

Revision:

V1.1

Authors:

TfH Ltd