

A solid blue vertical bar is positioned to the left of the text.

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Health and Safety Consultant – HAVS
Reactec Ltd

Hand Arm Vibration Syndrome

What's the problem?

Disturbance to hand function
caused by transmitted
vibration

Blood Vessels
Nervous System
Muscoskeletal Damage

Symptoms include tingling,
numbness, reduced grip or
dexterity and pain, often
severe.

Hand Arm Vibration Syndrome

What's the problem?

HAVS sufferers face long term
disablement.

There is no cure.
Prevention is the only option.

HAVS Current Legislation Interpretation

Health And Safety At Work Act 1974.

Provision and Use of Work Equipment Regulations 1998.

Management Of Health And Safety At Work Regulations 1999.

Physical Agents (Vibration) Directive 2002.

Control of Vibrations Regulations 2005.

Supply of Machinery (Safety) Regulations 2008.

Exemptions

Emergency services

Air transport

Ministry of Defence

The Control of Vibrations Regulations 2005

**Protect workers health & safety from
vibration exposure due to vibratory
equipment transmitted by hand contact.**

Risk Assessment

Suitable health surveillance where the risk assessment indicates a risk to workers' health.

Instituted for employees.

Likely to be regularly exposed above exposure action value.

Risk Assessment

Where Risk Assessment identifies.

Frequency and severity of exposure may pose a risk to health.

HAVS Diagnosis

Even exposure below the Exposure Action Value.

When required, should be carried out annually.

Initial assessment and routine health surveillance needed.

Early assessment of newly-exposed workers recommended.

**Susceptible individuals can develop symptoms
in 6 months or less.**

Why and how to detect/report symptoms of HAVS

When required, should be carried out annually.

Susceptible individuals can develop symptoms in 6 months or less.

Hand Arm Vibration Syndrome Implications

Employee

- Health & Safety
- Disability
- Employability
- Family

Employee



Employee



Employee



Hand Arm Vibration Syndrome Implications

Employer

- Legal
- Litigious
- Ethical
- Moral

Implications

- Insurance
- Core Skills
- Costs
- Morale
- Closure
- Prosecution
- Reputation

Implications

Health & Safety Professional

- Ethical
- Moral
- Trust
- Respect
- Prosecution
- Reputation
- Career

AMBULANCE CHASING?

Lawyer

NO PROBLEM!!

Have you worked with Vibrating Tools in the last 30 years?

Have you suffered with
TINGLING, PINS &
NEEDLES, COLDNESS,
NUMBNESS, WHITE
PATCHES in the
hands or arms?



Have you worked with:

- Pneumatic Drill or Hammer
 - Impact Drill
- Compactor (Whacker)
 - Chain Saw
- Hedge Trimmer

or any hand held vibrating tool?

If so, you may be entitled to compensation. Many have already claimed receiving £1000's in compensation.

With us, WIN or LOSE you pay NOTHING.
Insurers pay our costs, so...

**...if you win £10,000,
you keep £10,000**

For FREE, without obligation
advice call:
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claims for you
...100% compensation
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Health Surveillance

Doing the minimum ?

The Value of Continuous Monitoring

Efficient and timely analysis of data.

Swift Identification of over exposure.

Early Intervention and Prevention.

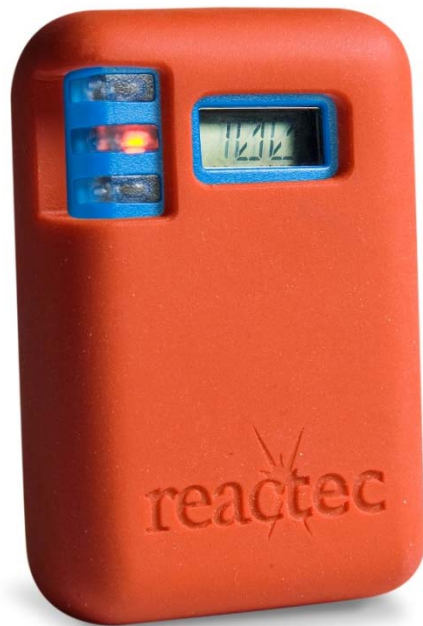
Involves Workforce.

Contributes to Workforce Safety Awareness.

Aids change Management.

HAVS Management Tools

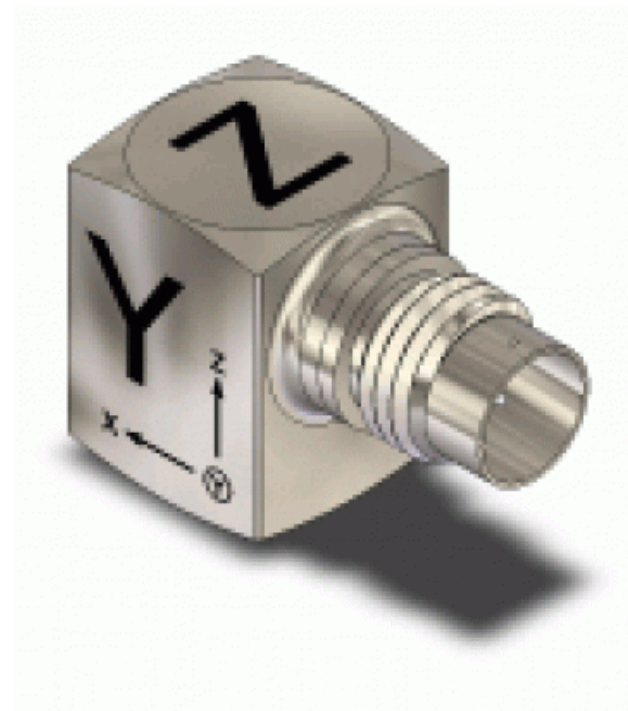
HAVmeter



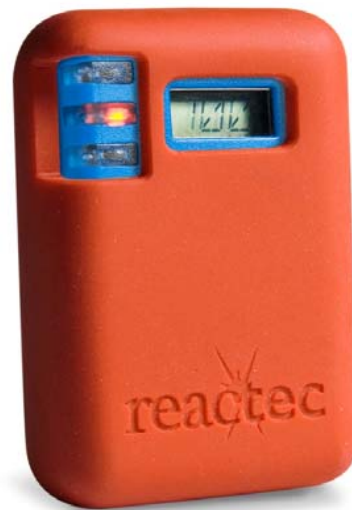
HAVi



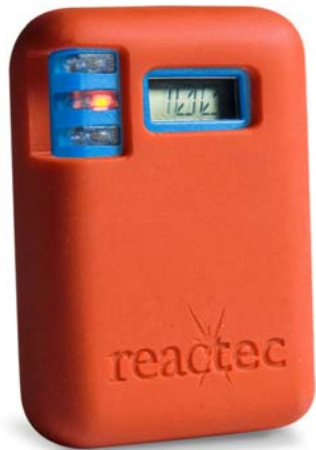
HAVS Management Tools



Benefits of HAVS Management



Benefits of HAVS Management



Reduced Labour Costs.

Accurate HAV data.

Accurate Trigger Time Data.

Timely & salient reporting.

Increased Productivity.

Supports Tool Management.

Benefits of HAVS Management

Simple to use



Benefits of HAVS Management

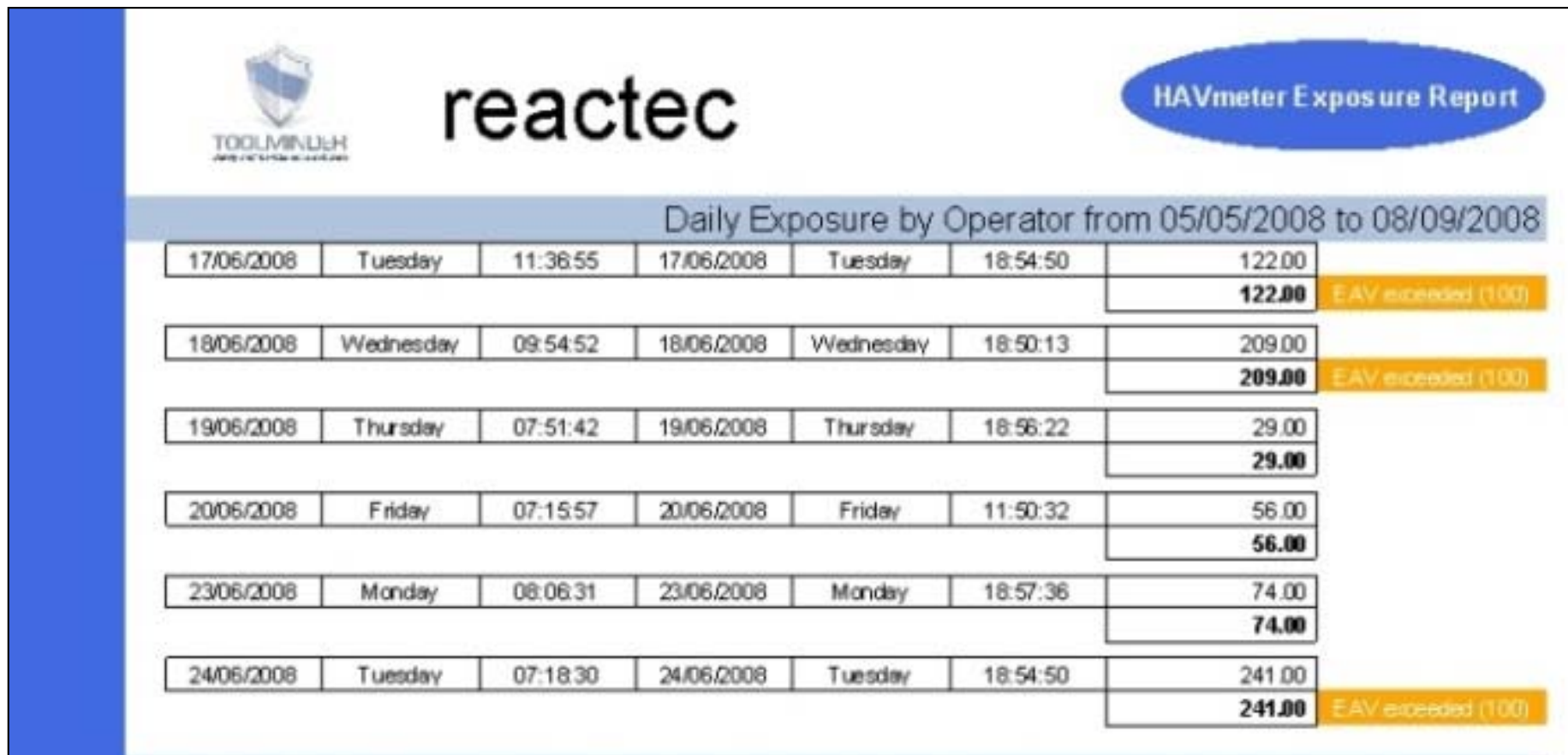


Reporting

reactec		HAVmeter Exposure Report	
Daily Exposure by Operator from 05/05/2008 to 08/09/2008			
17/05/2008	Tuesday	11:36:55	17/05/2008 Tuesday 18:54:50
			122.00
			122.00 EAV exceeded (100)
18/05/2008	Wednesday	09:54:52	18/05/2008 Wednesday 18:50:13
			209.00
			209.00 EAV exceeded (100)
19/05/2008	Thursday	07:51:42	19/05/2008 Thursday 18:56:22
			29.00
			29.00
20/05/2008	Friday	07:15:57	20/05/2008 Friday 11:50:32
			56.00
			56.00
23/05/2008	Monday	08:06:31	23/05/2008 Monday 18:57:36
			74.00
			74.00
24/05/2008	Tuesday	07:18:30	24/05/2008 Tuesday 18:54:50
			241.00
			241.00 EAV exceeded (100)
Person Id : 149 ANDREW ORD			
Collected	Returned	Exposure Points	
15/05/2008 Thursday 06:25:26	15/05/2008 Thursday 17:58:12		82.00
			82.00
19/05/2008 Monday 09:53:00	19/05/2008 Monday 17:39:03		54.00
			54.00
20/05/2008 Tuesday 07:18:56	20/05/2008 Tuesday 17:56:18		72.00
			72.00
21/05/2008 Wednesday 07:16:49	21/05/2008 Wednesday 17:58:30		48.00
			48.00
22/05/2008 Thursday 11:23:22	22/05/2008 Thursday 17:51:49		76.00
			76.00
23/05/2008 Friday 09:21:01	23/05/2008 Friday 11:51:16		88.00
			88.00
27/05/2008 Tuesday 06:54:47	27/05/2008 Tuesday 17:51:14		66.00
			66.00
29/05/2008 Thursday 07:02:29	29/05/2008 Thursday 17:57:13		146.00
			146.00 EAV exceeded (100)
30/05/2008 Friday 09:22:22	30/05/2008 Friday 11:54:01		47.00
			47.00
02/06/2008 Monday 07:43:18	02/06/2008 Monday 17:56:33		199.00
			199.00 EAV exceeded (100)
03/06/2008 Tuesday 11:21:04	03/06/2008 Tuesday 17:43:33		109.00
			109.00 EAV exceeded (100)
05/06/2008 Thursday 07:45:12	05/06/2008 Thursday 18:06:53		9.00
			9.00
18/06/2008 Wednesday 08:11:51	18/06/2008 Wednesday 17:53:46		66.00
			66.00
19/06/2008 Thursday 11:19:49	19/06/2008 Thursday 18:00:30		35.00
			35.00
23/06/2008 Monday 08:33:10	23/06/2008 Monday 17:58:06		43.00
			43.00
24/06/2008 Tuesday 13:47:50	24/06/2008 Tuesday 17:50:21		189.00

HAVmeter Exposure Report

Reporting

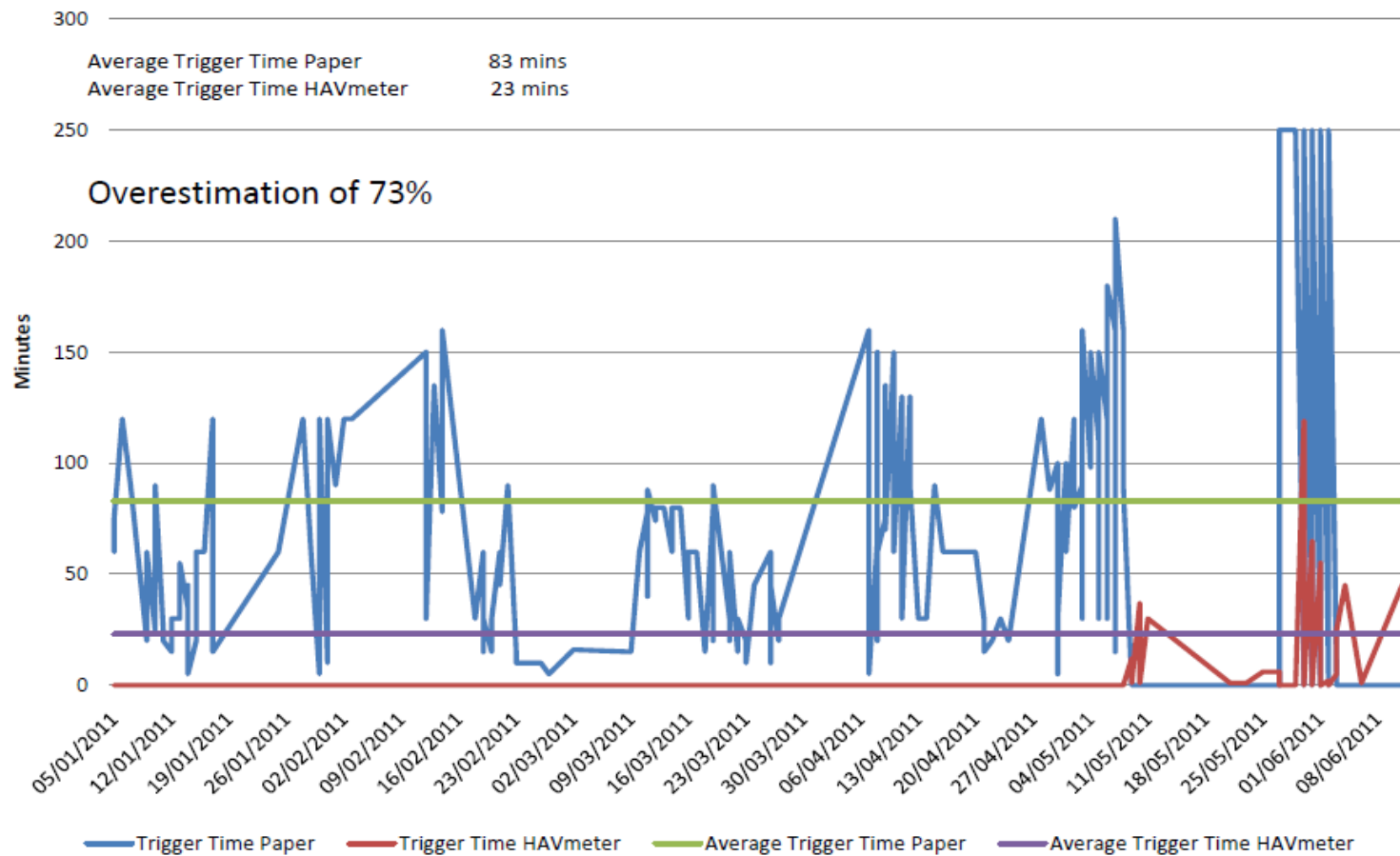


The screenshot shows a report titled "HAVmeter Exposure Report" from reactec. It includes the logo of the Ministry of Health (TOOLMINDEH) and the title "reactec". The report is titled "Daily Exposure by Operator from 05/05/2008 to 08/09/2008". The data is presented in a table with columns for date, day, start time, end time, and exposure values. The exposure values are shown in two columns: a regular value and a bolded value. A yellow highlight indicates that the bolded value exceeds the 100 EAV limit.

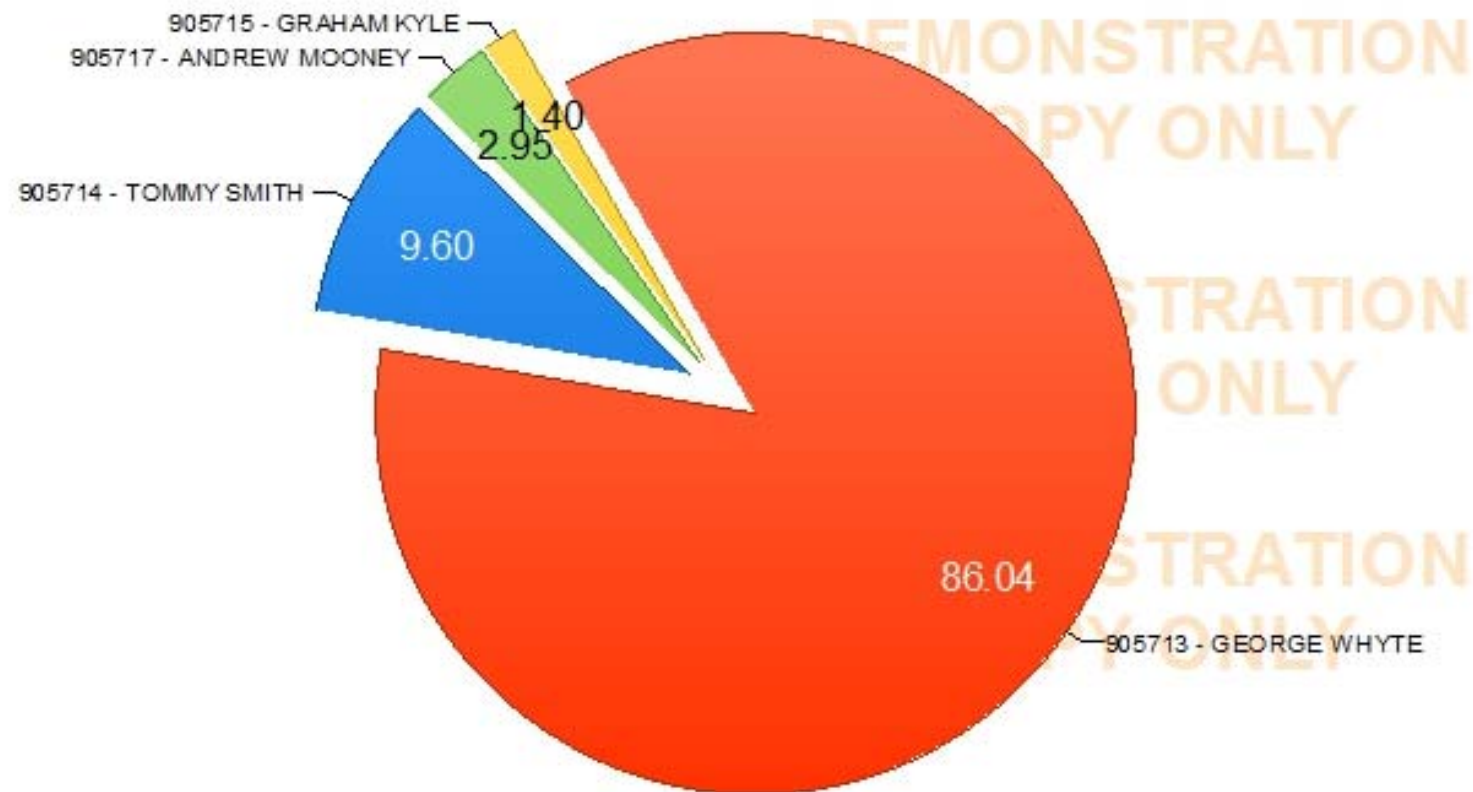
Daily Exposure by Operator from 05/05/2008 to 08/09/2008							
17/06/2008	Tuesday	11:36:55	17/06/2008	Tuesday	18:54:50	122.00	122.00 EAV exceeded (100)
18/06/2008	Wednesday	09:54:52	18/06/2008	Wednesday	18:50:13	209.00	209.00 EAV exceeded (100)
19/06/2008	Thursday	07:51:42	19/06/2008	Thursday	18:56:22	29.00	29.00
20/06/2008	Friday	07:15:57	20/06/2008	Friday	11:50:32	56.00	56.00
23/06/2008	Monday	08:06:31	23/06/2008	Monday	18:57:36	74.00	74.00
24/06/2008	Tuesday	07:18:30	24/06/2008	Tuesday	18:54:50	241.00	241.00 EAV exceeded (100)

Accuracy

Trigger Time Comparison (mins)

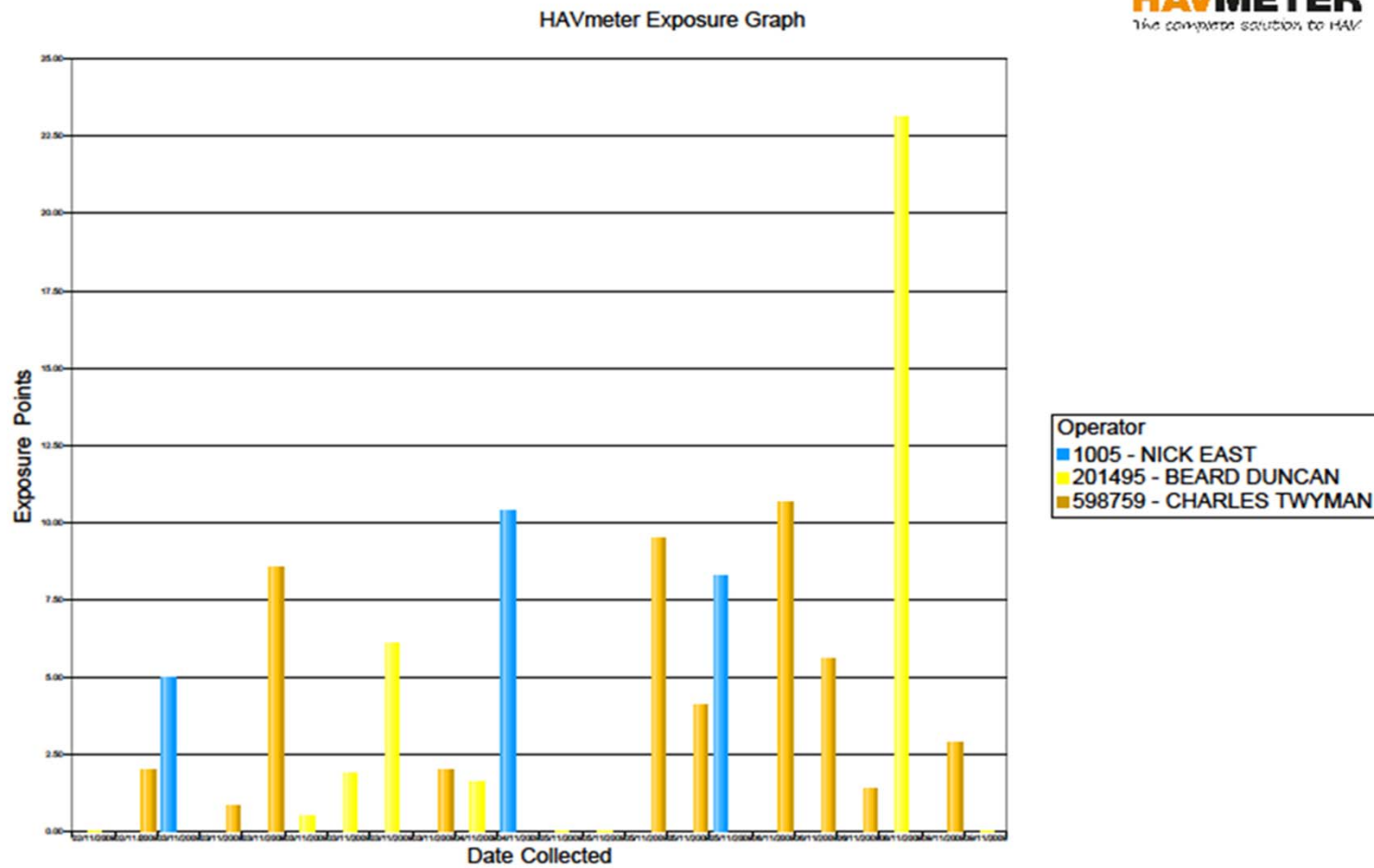


Reporting



Tailored

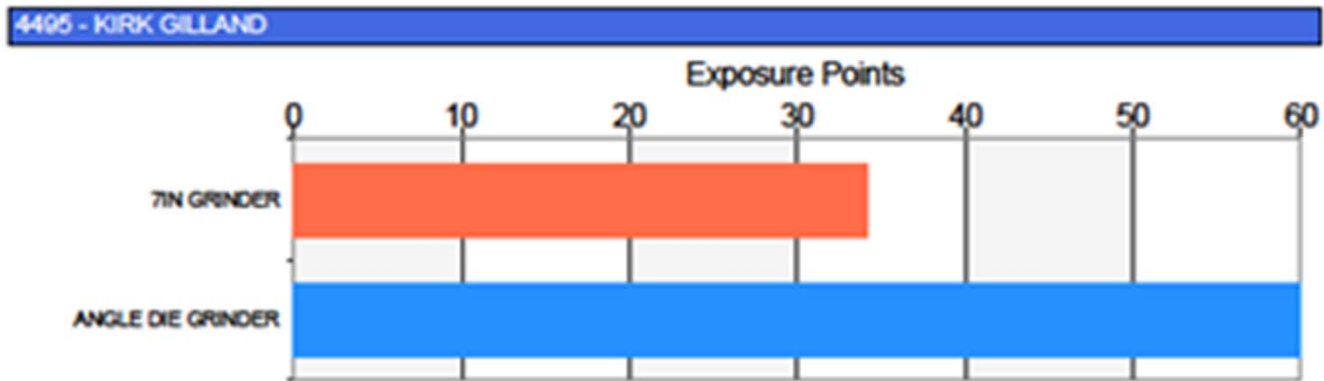
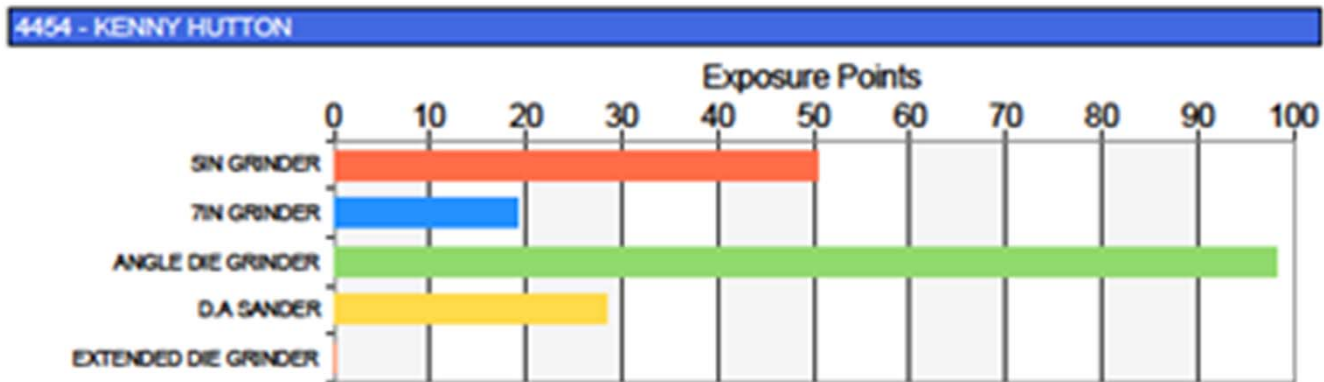
HAVMETER
The complete solution to HAV



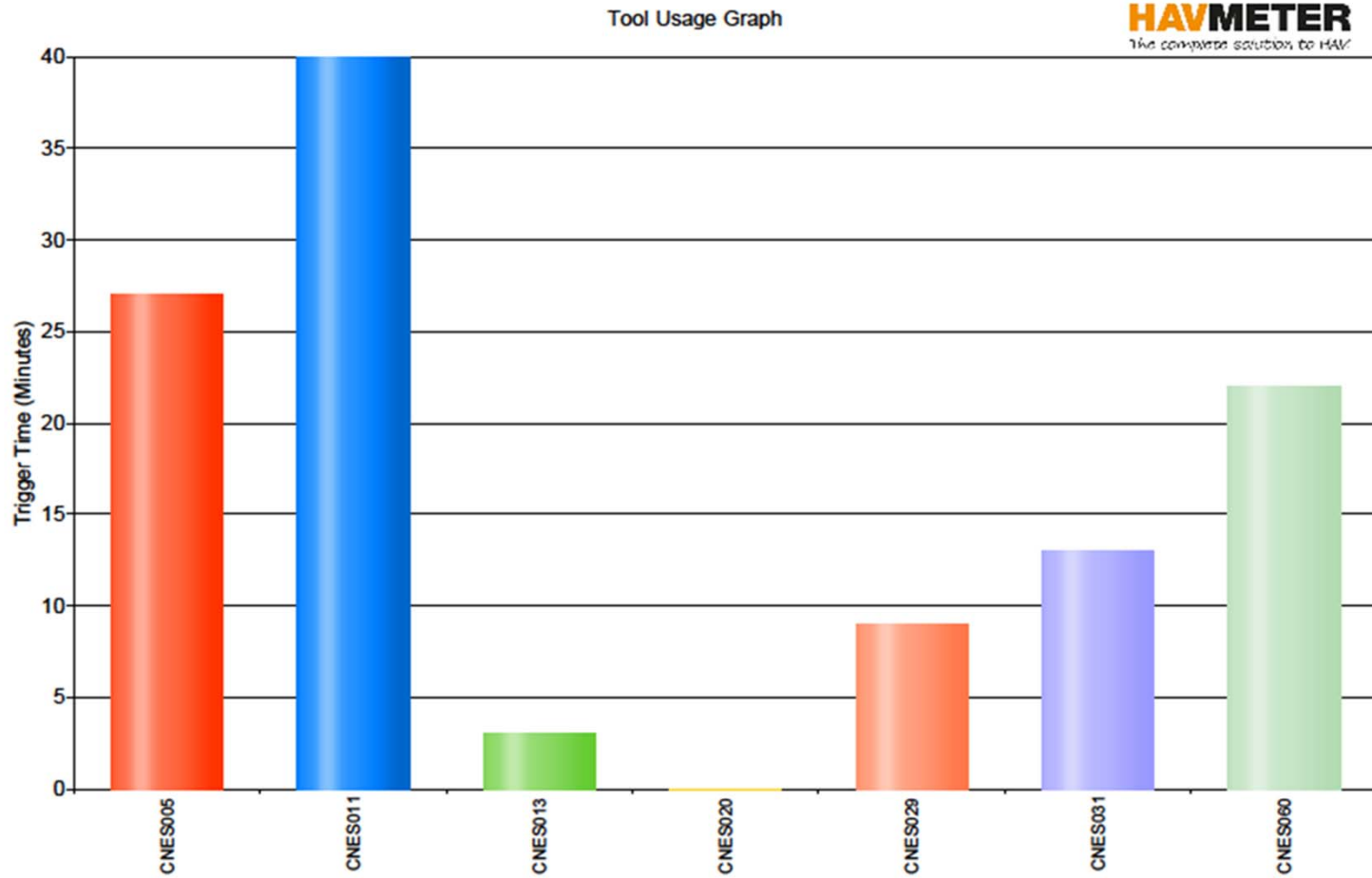
Report Generated from TOOLMINDER
© 2006-2009 Earleware ID Systems Ltd.
Printed 26/11/2009 Version 1.3.1

Manageable

Operator Tool Exposure From 30/01/2012 To 27/02/2012



Relevant



Report Generated from TOOLMINDER
© 2006-2009 Earlsmead ID Systems Ltd.
Printed 26/11/2009 Version 1.3.1

Relevant



DEMONSTRATION

Reactec Ltd



Tool Log From 01/04/2012 To 25/05/2012

Total Usage

00:07:49	8%
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AG51037 - HILTI DCG125S

10/04/2012

Connected	Disconnected	Operator	Trigger Time	Connected Utilisation
13:24:50	13:30:01	905713 - GEORGE WHYTE	00:02:19	45%
14:05:20	17:01:13	905713 - GEORGE WHYTE	00:14:53	8%
			00:17:12	9%

11/04/2012

Connected	Disconnected	Operator	Trigger Time	Connected Utilisation
14:49:48	16:59:38	905714 - TOMMY SMITH	00:03:47	3%
			00:03:47	3%

12/04/2012

Connected	Disconnected	Operator	Trigger Time	Connected Utilisation
06:38:03	07:10:37	905713 - GEORGE WHYTE	00:02:34	8%
15:31:58	16:53:00	905713 - GEORGE WHYTE	00:05:51	7%
			00:08:25	7%

Relevant



DEMONSTRATION
Reactec Ltd



Daily Tool Log From 01/04/2012 To 25/05/2012

Asset No.	Description	Connected	Disconnected	Vibration m/s ²	Trigger Time	Exposure Points	Total Points
05/04/2012 Thursday							
Operator 905714 - TOMMY SMITH							0.0
Operator 905719 - JOHN CARROLL							0.0
10/04/2012 Tuesday							
Operator 905713 - GEORGE WHYTE							52.9
AG51037	HILTI DCG125S	13:24:50	13:30:01	9.60	00:02:19	7.117	
AG51037	HILTI DCG125S	14:05:20	17:01:13	9.60	00:14:53	45.722	
11/04/2012 Wednesday							
Operator 905713 - GEORGE WHYTE							406.5
0177	PALMSANDER	07:21:52	07:21:56	15.00	00:00:00	0.000	
0177	PALMSANDER	07:21:58	07:43:18	15.00	00:14:21	107.625	
0177	PALMSANDER	07:48:36	09:59:49	15.00	00:31:04	233.000	
0177	PALMSANDER	10:00:55	10:30:02	15.00	00:08:47	65.875	
Operator 905714 - TOMMY SMITH							0.0
Operator 905714 - TOMMY SMITH							156.9
0177	PALMSANDER	10:41:45	12:12:14	15.00	00:19:21	145.125	
0177	PALMSANDER	12:14:27	14:49:32	15.00	00:00:01	0.125	
AG51037	HILTI DCG125S	14:49:48	16:59:38	9.60	00:03:47	11.623	
Operator 905715 - GRAHAM KYLE							14.9
0087	KOBEIMPACTWRENCH	08:13:24	09:48:15	20.00	00:01:07	14.889	

Health Surveillance

“When required, should be carried out annually”

“Susceptible individuals can develop symptoms in 6 months or less”

Best Practice

Councils Supporting Advanced HAVS Management

Swansea City and Borough Council
Bassetlaw District Council
Sunderland City Council
Basingstoke and Deane Borough Council
The City of Edinburgh Council
Hinckley and Bosworth Borough Council
North Ayrshire Council
North Lanarkshire Council
Scottish Borders Council
Braintree District Council
Harrogate Borough Council
Weymouth and Portland Borough Council
Flintshire County Council
Stirling Council
Wirral Metropolitan Borough Council
Hyndburn Borough Council
West Dunbartonshire Council
Norfolk County Council
Dundee City Council
Peterborough City Council
St Edmundsbury Borough Council
Hampshire County Council
Wigan Metropolitan Borough Council
Stoke on Trent City Council
Wrexham County Borough Council

Southampton City Council
Dumfries and Galloway Council
Leicester City Council
Glasgow City Council
Pendle Borough Council
Northumberland County Council
Forest of Dean District Council
Sandwell Metropolitan Borough Council
Newcastle City Council
St Helens Council
Vale of Glamorgan Council
Falkirk Council
Tendring District Council
Durham County Council
Nuneaton and Bedworth Borough Council
Tameside Metropolitan Borough Council
North Lincolnshire Council
Powys County Council
East Lindsey District Council
South Holland District Council
Rhondda Cynon Taff County Borough Council
Conwy County Borough Council
Perth and Kinross Council
West Lothian Council
Carmarthenshire County Council

Argyll and Bute Council
Bridgend County Borough Council
Merthyr Tydfil County Borough Council
Coventry City Council
Caerphilly County Borough Council
Suffolk County Council
Blaenau Gwent County Council Borough Council
Rushcliffe Borough Council
Hartlepool Borough Council

End

Thank you