

MI, 15-1
ANALYTICAL DATA SHEET

ANALYTICAL DEPT. - HEALTH AND SAFETY DIVISION

No 8775

Industrial Hygiene or Medical Dept.						Analytical Chemistry Section:							
1956													
I. H.#	984	Sample Nos.	12	Date Collected	6/29	by	JH	Route to	JH	Date Received	7-2-56	by	Lab
Location	STAR CUTTER CORP.		Type of Sample	air dust	Analyzed for	F	Alpha	xxx		Date Reported	7-5-56	by	MR
Remarks	FARMINGTON, MICHIGAN				U	Beta				Method of Analysis	Alpha scintillation counter 2 by CJM		
	Hollowing slugs				No ₃	Ra				Counting Data:			
					Oil	pH				BKGD	.27 c/min	GEO	40%
					Be	Th							

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	C/min	d/m/M ³
7573B	1355	BZ Operator sets slug into place, closes shield over machine & starts drill. An oil coolant flows through hollow drill & is rebounded back through an opening to a reservoir where it is filtered & recycled. Oil coolant fumes escape beneath shield at the initial drilling, when drill goes completely through slug & coolant is sprayed, & when shield is raised after drilling to remove hollowed out slug. Actual drilling time 10 min. This sample covers 1 complete operation. No respirator worn.	.02	10.5	.21	4	17.80	n.d.	nd.
7574	1355	GZ Pump on stand 4' SW of cutter during operation of hollowing out slug in 7573.	.02	15	.3	5	15	0.06	1
7575	1430	BZ Same as 7573; during drilling opera-	.02	10	.2	7	28.8	n.d.	n.d.

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ANALYTICAL DATA SHEET

ANALYTICAL DEPT. - HEALTH AND SAFETY DIVISION

NLO

MI. 15 2-10-56 7-1-56
No 8774

Page 2 1956	Industrial Hygiene or Medical Dept.					Analytical Chemistry Section:			
I. H. # 984	Sample Nos. 12	Date Collected 6/29	by JH	Route to JH		Date Received 7-2-56	by Lab		
Location STAR CUTTER CORP.	Type of Sample air dust	Analyzed for F	Alpha x			Date Reported 7-5-56	by MW		
Remarks FARMINGTON, MICHIGAN		U	Beta			Method of Analysis Alpha scintillation			
Hollowing slugs		No ₃	Ra			counter 2	by CJM		
		Oil	pH			Counting Data:			
		Be	Th			BKGD .27 c/min	GEO	40%	

Sample No.	Hour	Sample Description	R	T	Q	Count	Time	μ/min	d/m/m ³
7575 (Cont'd)		tion only.							
7576	1440	BZ Operator raises hood of machine and removes hollowed out slug. Visible oil coolant fumes rising. No respirator worn.	.02	.5	.01	3	15	n.d.	n.d.
7577	1430	GA Same as 7574; one slug set up, hollowed out & removed during this time.	.02	15	.3	3	17.57	n.d.	n.d.
7578	1455	BZ Same as 7575	.02	9	.18	4	15	n.d.	n.d.
7579	1505	BZ Same as 7576	.02	.5	.01	1	15	n.d.	n.d.
7580	1455	GA Same as 7577	.02	15	.3	8	15	n/d .26	n/d / 3
7581	1520	BZ Same as 7576	.02	.5	.01	1	15	n.d.	n.d.
7582	1525	P At rear of machine where air exhausted through hose placed in coolant bubbles up. No visible dust.	.02	1	.02	4	15	n.d.	n.d.
7583	1540	P At bottom of shield of machine as coolant fumes escape during beginning of drilling operations.	.02	1	.02	7	15	0.20	36
7584	1555	P Same as 7583	.02	1	.02	2	15	n.d.	n.d.

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