

**Western Technologies Inc.**  
The Quality People

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**LABORATORY REPORT**

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SEP 04 1998

Client: GRANITE CONSTRUCTION COMPANY  
SAN JOSE BRANCH  
120 GRANITE ROCK WAY  
SAN JOSE CA 95136

GRANITE CONSTRUCTION CO.  
SAN JOSE BRANCH

Date of Report 9-2-98  
Job No. 2148JG329  
Event / Invoice No. Q329-01  
Authorized By GCC/MCMINN  
Sampled By NOT PROVIDED  
Submitted By GCC/MCMINN  
Lab No. 1  
Date 8-21-98  
Date 8-26-98

Project LIVERMORE AIRPORT  
Contractor GRANITE CONSTRUCTION CO  
Type / Use of Material COAL-TAR/SEAL REJUVENATOR  
Sample Source / Location RUNWAY & HANGAR  
Reference: P O 2192388  
Special Instructions:

Location LIVERMORE, CA  
Arch. / Engr. --  
Supplier / Source --  
Source / Location Desig. By --

**TEST RESULTS**

Runway											
Untreated						Treated					
Core No.	BPN					Core No.	BPN				
	Readings						Readings				
				Mean						Mean	
1A	59	59	60	58	59.0	2A	45	45	45	45	45.0
1B	61	63	64	57	61.2	2B	50	50	50	50	50.0
1C	59	60	60	60	59.8	2C	46	45	45	46	45.5
1D	60	60	59	59	59.5	2D	52	52	51	51	51.5
Untreated Mean BPN					59.9	Treated Mean BPN					48.0
Fuel Resistance, in. of penetration						2E	.03	.02	.04	.06	0.04
Hangar											
Untreated						Treated					
Core No.	BPN					Core No.	BPN				
	Readings						Readings				
				Mean						Mean	
3A	55	56	58	56	56.2	4A	52	52	52	51	51.8
3B	62	62	63	62	62.2	4B	56	55	56	55	55.5
3C	63	63	62	62	62.5	4C	52	52	52	51	51.8
3D	60	58	58	61	59.2	4D	50	49	48	48	48.8
Untreated Mean BPN					60.0	Treated Mean BPN					52.0
Fuel Resistance, in. of penetration						4E	.02	.06	.02	.03	0.03

British Pendulum Number tests by ASTM E303  
Fuel Resistance tests by Appendix A, Project Specifications

Copies To: CLIENT (1)

LABORATORY TEST RESULTS REPORTED HEREIN APPLY ONLY TO SPECIFIC SAMPLE OR WHICH THE TEST WAS RUN. THE ABOVE SERV AND REPORT WERE PERFORMED PURSUANT TO THE TERMS AND CONDITIONS OF THE CONTRACT BETWEEN WT AND CLIENT. WT WARRANTS THAT THIS WAS PERFORMED UNDER THE STANDARD OF REASONABLE CARE APPLICABLE TO TESTING FACILITIES. NO OTHER WARRANTY, GUARANTEE REPRESENTATION, EXPRESSED OR IMPLIED, IS INCLUDED OR INTEND

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