For **Lunday Thagard Refining**

Date: February 27, 2006
Tank: 10027
LTR ID: 022306-098
Sample Date: February 23, 2006
APART Sample ID: 06-0223LTR-10027

Tested @ APART, Inc.
5207 Minter Field Avenue
Shafter, CA 93263
(661) 393-2748

PRODUCT: PG 64-10

Test	Result	Test Method	Specification
Rotational Viscosity, 135°C, Pa·s	0.312	AASHTO T316	3.0 Maximum
Flash, COC, °C	290	AASHTO T48	230 Minimum
Solubility in TCE, w%	99.68	AASHTO T44	99.0 Minimum
Dynamic Shear Rheometer, 64°C			
Complex Viscosity, η*, Pa·s	117.5	AASHTO T315	
G*, kPa	1.18		
Phase Angle, °	88.8		
G*Sin·δ, kPa	1.18		1.00 Minimum
RTFO-Aged			
Mass Change, w%	-0.05	AASHTO T240	1.00 Maximum
Dynamic Shear Rheometer, 64°C			
G*, kPa	2.51	AASHTO T315	
Phase Angle, °	87.0		
G*Sin·δ, kPa	2.52		2.20 Minmumu
Ductility, 25°C, cm	150+	AASHTO T51	75 Minimum
PAV-Aged, 2.1 MPa, 20 Hrs., 100°C		AASHTO R28	
Dynamic Shear Rheometer, 31°C			
G*, kPa	2715	AASHTO T315	
Phase Angle, °	56.2		
G*Sin·δ, kPa	2257		5000 Maximum
Bending Beam Rheometer, 0°C			
Stiffness, MPa	44.9	AASHTO T313	300 Maximum
m-value	0.463		0.300 Minimum

This asphalt is in compliance to appropriate specifications.

Reported by: Bob Staugaard