



# PANAIR LABORATORY, INC.

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## GASOLINE ANALYSIS REPORT

LABORATORY NO. 12752G
AWB NO. 001-2815 8001
CUSTOMER J&R Industrial Serv.
TEST COMPLETED 2/4/15
SAMPLED FROM Creek Terminal Loading Rack

ORIGIN Grand Cayman	FUEL TYPE Mogas	CUSTOMER J&R Industrial Serv.
DATE SAMPLED 1/21/15	RECEIVED AT LAB 2/3/15	TEST COMPLETED 2/4/15
REFINER	REFINER'S DESIGNATION Mogas	SAMPLED FROM Creek Terminal Loading Rack

THIS REPORT RELATES ONLY TO THE SAMPLE TESTED AND DOES NOT GUARANTEE THE BULK OF THE MATERIAL TO BE OF EQUAL QUALITY.

### ASTM (D 86)

DISTILLATION	C
IBP	34.6
10% Evaporated	53.7
50% Evap.	115.9
90% Evap.	172.8
END POINT	207.6
RECOVERY	98.0 %
RESIDUE	1.2 %
LOSS	0.8 %

API GRAVITY @ 60 (D4052)	<u>52.34</u>
SPECIFIC GRAVITY @ 60 F (CONV.)	<u>0.7697</u>
APPEARANCE (D4176)	_____
OLEFINS, % VOL. (D 1319)	_____
ODOR	_____
COLOR VISUAL	_____
CORROSION, COPPER STRIP (D 130)	<u>1a</u>
DOCTOR TEST (IP 30)	_____
EXISTENT GUM, MG/100 ML (D 381/ IP 131)	<u>43</u>
WASHED GUM, MG/100 ML (D 381)	<u>2</u>
FREEZE POINT, C (D 2386)	_____
VAPOR LOCK INDEX (D323)	_____
DRIVEABILITY (D4814)	_____
OCTANE NUMBER, MOTOR (D 2700)	<u>82.2</u>
OCTANE SENSITIVITY (RON - MON)	_____
OCTANE NUMBER, RESEARCH (D 2699)	<u>96.2</u>
ANTI-KNOCK INDEX (R+M/2)	<u>89.2</u>
OXIDATION STABILITY @ 100 C, MINUTES (D 525)	_____
PARTICULATE MATTER, MG/L, (D 5452)	<u>2.51</u>
FILTER MEMBRANE COLOR RATING (D 5452)	<u>B-5</u>
THRUPUT, LITERS	<u>0.842</u>
PHOSPHOROUS CONTENT, MG/L (D 3231)	_____
POTENTIAL GUM, MG/100 ML (D 873)	_____
MANGANESE, mg/L (D 3831)	<u>0.3</u>
SULFUR mg / kg. (D4294)	_____
TETRAETHYLLLEAD CONTENT,g/U.S. gal. (D 3237/ IP 362)	_____
LEAD CONTENT g/Liter (CONV.)	_____
SILVER CORROSION (D4814 annex)	_____
VAPOR PRESSURE (LB REID/kPa) (D 5191)	<u>8.30/57.2</u>

Product complies with ASTM D4814 for Mogas test results shown if box is checked

  
CARL E. JOHNSON, PRESIDENT