

PACIFIC OPERATIONS PIPELINE PRODUCT CODES

Product Group	Gasoline
A	CARBOB Regular Octane
B	CARBOB Premium Octane
C	Spare
D	Biodiesel Blends
E	Retired
F	Retired
G	Retired
H	Conventional Gasoline –Arizona, Southern Nevada – 84 Octane*
I	Reserved
J	Retired
K	Spare
L	Conventional Gasoline Oregon –90 Octane
M	Conventional Gasoline Sub-Octane - 84.0 Octane
N	Conventional Gasoline Nevada (North)
O	Reserved
P	Spare
Q	Reserved
R	Conventional Gasoline Nevada (North)- 91 Octane
S	Reserved
T	Spare
U	Spare
V	Spare
W	Retired
X	Cleaner Burning Gasolines - Arizona – Regular Octane
Y	Conventional Gasoline - Arizona – 91 Octane*
Z	Cleaner Burning Gasolines - Arizona – Premium Octane

* A reversal of the Alpha/Numeric code to Numeric/Alpha represents the same fuel having a sulfur content permissible from Small Refiners only thru cycle 48 of 2010 only.

Gasolines transported under these codes do not contain detergent additives. Gasolines transported are base gasoline not for sale to the ultimate consumer.

Gasolines transported are suitable for use with additives certified under the “National Generic” option (40 CFR Part 80.164).

PACIFIC OPERATIONS PIPELINE PRODUCT CODES

<u>Code</u>	<u>Product</u>
A1	5.99 RVP CARBOB Regular – 84.0 Octane (1)
A2	10.5 RVP CARBOB Regular - 84.0 Octane (1)
A3	12.5 RVP CARBOB Regular - 84.0 Octane (1)
A4	14.0 RVP CARBOB Regular - 84.0 Octane (1)
B1	5.99 RVP CARBOB Premium – 88.5 Octane (1)
B2	10.5 RVP CARBOB Premium – 88.5 Octane (1)
B3	12.5 RVP CARBOB Premium – 88.5 Octane (1)
B4	14.0 RVP CARBOB Premium – 88.5 Octane (1)
H6	10.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (AZ/NV south)
H7	11.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (AZ/NV south)
H8	13.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (AZ/NV south)
H9	9.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (AZ)/NV south)
L4	15.00 RVP Non-oxygenated gasoline - 92.0 Octane (Oregon)
L6	9.00 RVP Non-oxygenated gasoline - 90.0 Octane (Sub-octane) (Oregon)
L7	11.50 RVP Non-oxygenated gasoline - 90.0 Octane (Sub-octane) (Oregon)
L8	13.50 RVP Non-oxygenated gasoline - 90.0 Octane (Sub-octane) (Oregon)
L9	15.00 RVP Non-oxygenated gasoline - 90.0 Octane (Sub-octane) (Oregon)
M5	9.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Oregon)
M7	11.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Oregon)
M8	13.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Oregon)
M9	15.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Oregon)

(1) This product does not meet the standards for CARB gasoline without the addition of oxygenate. This product intended for blending with 10% ethanol.

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PACIFIC OPERATIONS PIPELINE PRODUCT CODES

<u>Code</u>	<u>Product</u>
N2	7.80 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
N3	8.00 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada) (2)
N4	9.00 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada) (2)
N5	Spare
N7	10.50 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
N8	12.50 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
N9	14.00 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
NB	11.50 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
NC	13.50 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
ND	15.00 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
R2	7.80 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R3	8.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R4	9.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R5	Spare
R7	10.50 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R8	12.50 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R9	14.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
RB	11.50 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
RC	13.50 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
RD	15.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)

Gasolines transported under these codes do not contain detergent additives. Gasolines transported are base gasoline not for sale to the ultimate consumer.

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PACIFIC OPERATIONS PIPELINE PRODUCT CODES

<u>Code</u>	<u>Rvp</u>	<u>Product</u>	
X2	7.00	RVP Arizona CBG – 87 Octane 0.0 – 0.05 wt % (Regular)	(Arizona)
X3	8.00	RVP Arizona CBG – 87 Octane 0.0 – 0.05 wt % (Regular)	(Arizona)
X5	8.00	RVP Arizona – AZRBOB - 87 Octane (Regular) 0 – 0.05 wt %	(Arizona) (3)
X6	8.00	RVP Arizona – AZRBOB – 84 Octane (Sub-Regular)	(Arizona) (3)
Z2	7.0	RVP Arizona CBG - 91 Octane 0.0 – 0.05 wt % (Premium)	(Arizona)
Z3	8.0	RVP Arizona CBG – 91 Octane 0.0 – 0.05 wt % (Premium)	(Arizona)
Z5	8.0	RVP Arizona - AZRBOB - 91 Octane 0.0 – 0.05 wt% (Premium)	(Arizona) (3)
Z6	8.0	RVP Arizona – AZRBOB - 88.5 Octane (Sub-Premium)	(Arizona) (3)

Compatible Low Sulfur / SR Gasoline Product Codes; East Lines only

<u>Low Sulfur</u>	<u>SR Gasoline</u>			
H6	6H	10.00	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson/Phoenix)
H7	7H	11.50	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson,/Phoenix)
H8	8H	13.50	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson/Phoenix)
H9	9H	9.00	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson/Phoenix)
Y6	6Y	10.00	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona, Nevada north)	
Y7	7Y	11.50	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona, Nevada north)	
Y8	8Y	13.50	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona, Nevada north)	
Y9	9Y	9.00	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona, Nevada north)	

- (3) AZRBOB does not comply with the standards for Arizona CBG without the addition of oxygenate. This AZRBOB intended for blending with 10 vol% ethanol.

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Gasolines transported are suitable for use with additives certified under the “National Generic” option (40 CFR Part 80.164).