

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 – Tucson, Arizona – 84 Octane*
I	Reserved
J	Retired
K	Conventional Gasoline Oregon - Spare
L	Conventional Gasoline Oregon – 92/90 Octane
M	Conventional Gasoline Sub-Octane - 84.0 Octane
N	Conventional Gasoline Nevada
O	Reserved
P	Spare
Q	Reserved
R	Conventional Gasoline Nevada - 91 Octane
S	Reserved
T	Spare
U	Spare
V	Spare
W	Conventional Gasoline – Phoenix, Arizona – 87 Octane*
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.

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 - 85.0 Octane (1) [84 octane effective cycle 3 of 2010]
A2	10.5 RVP CARBOB Regular - 85.0 Octane (1) [84 octane effective cycle 3 of 2010]
A3	12.5 RVP CARBOB Regular - 85.0 Octane (1) [84 octane effective cycle 3 of 2010]
A4	14.0 RVP CARBOB Regular - 85.0 Octane (1) [84 octane effective cycle 3 of 2010]
B1	5.99 RVP CARBOB Premium – 89.5 Octane (1) [88.5 octane effective cycle 3 of 2010]
B2	10.5 RVP CARBOB Premium – 89.5 Octane (1) [88.5 octane effective cycle 3 of 2010]
B3	12.5 RVP CARBOB Premium – 89.5 Octane (1) [88.5 octane effective cycle 3 of 2010]
B4	14.0 RVP CARBOB Premium – 89.5 Octane (1) [88.5 octane effective cycle 3 of 2010]
H6	10.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Tucson, AZ)
H7	11.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Tucson, AZ)
H8	13.50 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Tucson, AZ)
H9	9.00 RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (Tucson, AZ)
L3	13.50 RVP Non-oxygenated gasoline - 92.0 Octane (Oregon)
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)
ME	8.00 RVP NVCBG – 84.0 Octane (Sub-octane) (Las Vegas)

(1) This product does not meet the standards for CARB gasoline without the addition of oxygenate. This product intended for blending with 5.7 vol% ethanol through cycle 48 of 2009; product intended for 10% ethanol blending with shipments commencing cycle 1 of 2010 and thereafter. Individual CARB protocols supersede these requirements during a defined

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transition period.

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) (2)
NC	13.50 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada) (2)
ND	15.00 RVP Non-oxygenated gasoline - 87 Octane (Regular) (Nevada)
NE	8.00 RVP Non-oxygenated NVCBG – 87 Octane (Regular) (Las Vegas)
R2	7.80 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
R3	8.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada) (2)
R4	9.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada) (2)
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) (2)
RC	13.50 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada) (2)
RD	15.00 RVP Non-oxygenated gasoline - 91 Octane (Premium) (Nevada)
RE	8.00 RVP NVCBG 89.5 Octane (Premium) (Las Vegas)

(2) This gasoline is also suitable for use in Arizona; however it is prohibited for use in Arizona’s CBG covered area.

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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>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, AZ)
H7	7H	11.50	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson, AZ)
H8	8H	13.50	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson, AZ)
H9	9H	9.00	RVP Non-oxygenated gasoline - 84.0 Octane (Sub-octane) (4)	(Tucson, AZ)
W6	6W	10.00	RVP Non-oxygenated gasoline - 87 Octane (Regular) (Arizona) (4)	(Phoenix, AZ)
W7	7W	11.50	RVP Non-oxygenated gasoline - 87 Octane (Regular) (Arizona) (4)	(Phoenix, AZ)
W8	8W	13.50	RVP Non-oxygenated gasoline - 87 Octane (Regular) (Arizona) (4)	(Phoenix, AZ)
W9	9W	9.00	RVP Non-oxygenated gasoline - 87 Octane (Regular) (Arizona) (4)	(Phoenix, AZ)
Y6	6Y	10.00	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona) (4)	
Y7	7Y	11.50	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona) (4)	
Y8	8Y	13.50	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona) (4)	
Y9	9Y	9.00	RVP Non-oxygenated gasoline - 91 Octane (Premium) (Arizona) (4)	

(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.

(4) This gasoline is not intended for use in the CBG covered area

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