

APPENDIX C PRODUCT CODES

Revision Date: 2-6-12

	PAGE
Blendstocks and Special Grades	C-2
Conventional - Premium Gasoline	C-3
Conventional - Regular Gasoline	C-4
Reformulated - Premium Blendstock for Oxygenated Blending	C-5
Reformulated - Blendstock for Oxygenated Blending	C-6
Jet Fuel, Kerosene, & No. 1 Fuel Oils	C-7
Fuel Oils	C-8
Special Distillate Fuels and Transmix	C-9

Blendstocks and Special Grades

<u>CODE</u>	<u>CLASS</u>	<u>PRODUCT NAME</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
10	S	Naphtha - Isomerized	Not Diluent	Low Octane (AKI - 55-70)
11	S	Naphtha - Light	Not Diluent (<200 ppm sulfur / 70-85 gravity)	Low Octane (AKI - 65-75)
12	S	Naphtha - Heavy	Not Diluent (>200 ppm sulfur / 50-70 gravity)	Low Octane (AKI - 55-65)
13	S	Naphtha Mix	Not Diluent	
14	S	Natural Gasoline	Not Diluent	Low Olefins
15	S	Alkylate		High Octane (AKI - 90-100)
16	S	Reformate		High Octane (AKI - 95-105)
17	S	Iso Octane		High Octane (AKI - 100)
18	S	Raffinate		Low Octane (AKI - 55-70)
19	S	HUF/Toluene		High Octane (AKI - 95)
1A	F	Diluent - Natural Gasoline	a.k.a. Diluent	Low Olefins & Low Sulfur
1B	F	Diluent - Natural Gasoline	a.k.a. Diluent	Low Olefins & High Sulfur
1C	S	Diluent - Condensate	a.k.a. Diluent	Low Olefins & High Sulfur
1E	S	Naphtha - No DRA	No DRA allowed	Low Octane (AKI - 55-70)

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Premium Conventional Gasoline

<u>CODE</u>	<u>CLASS</u>	<u>DESTINATION</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
30			<i>Inactive</i>	
31	F	Houston-Dallas Area	All non-hydrocarbons (oxygenates) are prohibited	High Octane (AKI - 93)
32	W	Tulsa Area	a.k.a. A Grade	High Octane (AKI - 91)
33	W	Tulsa Area	a.k.a. A1 Grade	High Octane (AKI - 91)
34	S	St. Louis, Missouri		High Octane (AKI - 93)
35	S	Illinois - Indiana - St. Louis MO	Premium Cbob	High Octane (AKI - 93) after blending
36	F	Central MO & Southern IL	All non-hydrocarbons (oxygenates) are prohibited	High Octane (AKI - 93)
37	F	Hammond/Griffith IN	All non-hydrocarbons (oxygenates) are prohibited	High Octane (AKI - 93)
38	S	Illinois - Indiana		High Octane (AKI - 91/93)
39			<i>Inactive</i>	
3E	S	Illinois Only		High Octane (AKI - 93)

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Premium Blendstock for Oxygenated Blending

<u>CODE</u>	<u>CLASS</u>	<u>COMPLEX MODEL</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MIN.</u>	<u>ETHANOL BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
3C	F	Yes	Houston-Dallas Area	1	Yes	Report*		Report	10.0	93.0	27.0
3D	F	Yes	Houston-Dallas Area	1	No	**		Report	10.0	93.0	
3R	S	Yes	St. Louis Area	2	Yes	7.2*		Report	10.0		27.0
3S	F	Yes	St. Louis Area	2	Yes	7.2*		Report	10.0	93.0	27.0
3T	F	Yes	St. Louis Area	2	No	**		Report	10.0	93.0	
3U	F	Yes	Chicago Area	2	Yes	Report*		Report	10.0	93.0	25.4
3V	S	Yes	St. Louis Area	2	No	**		Report	10.0		
3X	F	Yes	Chicago Area	2	No	**		Report	10.0	93.0	

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Conventional Gasoline Conventional Blend Stocks

<u>CODE</u>	<u>CLASS</u>	<u>DESTINATION</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
40	W	Tulsa Area	a.k.a. N2 Grade	
41	F	Houston - Dallas	All non-hydrocarbons (oxygenates) are prohibited	
42	W	Tulsa Area	a.k.a. N Grade	
43	W	Tulsa Area	a.k.a. N1 Grade	
44	F	Houston - Dallas	CBOB	AKI 87.0 after blending
45	F	Illinois - Indiana	CBOB	AKI 87.0 after blending
46	F	Illinois - Indiana - Missouri	All non-hydrocarbons (oxygenates) are prohibited	
47	S	Illinois - Indiana - Missouri		Shipper Specific
48	S	Hammond, Indiana	Reprocessed	
49	S		Buffer Batch	
4E	S	Illinois Only	AKI 87.0 before blending	T50 Distillation Specification
4F	W	Tulsa Area	CBOB (a.k.a. V-78 Grade)	87.0 after blending (7.8 RVP)
4G	W	Tulsa Area	CBOB (a.k.a. V-68 Grade)	87.0 after blending (6.8 RVP)
4H	W	Texas	CBOB (a.k.a. V-66 Grade)	87.0 after blending (6.6 RVP)
4J	W	Texas	CBOB	87.0 after blending
4K	W	Tulsa Area	CBOB (seasonal specifications)	87.0 after blending
4M	S	Any	Sub Octane	87.0 after blending

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Blendstock for Oxygenated Blending

<u>CODE</u>	<u>CLASS</u>	<u>COMPLEX MODEL</u>	<u>DESTINATION</u>	<u>REGION</u>	<u>VOC CONTROLLED YES/NO</u>	<u>RVP MAX.</u>	<u>OXYGEN MIN./MAX.</u>	<u>AKI MON MIN.</u>	<u>ETHANOL BLEND RATE % BY VOLUME</u>	<u>AKI AFTER BLENDING</u>	<u>Emissions Performance Reduction(%)</u>
4C	F	Yes	Houston-Dallas Area	1	Yes	Report		82.0	10.0	87.0	27.0
4D	F	Yes	Houston-Dallas Area	1	No	**		82.0	10.0	87.0	
4S	F	Yes	St. Louis	2	Yes	7.8 Report*		82.0	10.0	87.0	27.0
4T	F	Yes	St. Louis	2	No	**		82.0	10.0	87.0	
4U	F	Yes	Chicago Area	2	Yes	Report*		82.0	10.0	87.0	25.4
4X	F	Yes	Chicago Area	2	No	**		82.0	10.0	87.0	

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Jet Fuel / Kerosene

<u>CODE</u>	<u>CLASS</u>	<u>PRODUCT NAME</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
50	S	Jet Fuel	JP-8 Military Jet	3000 PPM
51	F	Jet Fuel	Jet A	3000 PPM
52	W	Jet Fuel	a.k.a. Q Grade	3000 PPM
53			<i>Inactive</i>	
54	F	Jet Fuel	Jet A (Bonded Use)	3000 PPM
55			<i>Inactive</i>	
56	S	Low Sulfur Kerosene	K1-Kerosene	470 PPM
57	S	Jet Fuel (ULS)	Ultra Low Sulfur Jet	10 PPM
58			<i>Inactive</i>	
59	F	Jet Fuel	Buffer Batch	3000 PPM
60			<i>Inactive</i>	
61			<i>Inactive</i>	
62			<i>Inactive</i>	
63			<i>Inactive</i>	
64	S	ULS Kerosene		10 PPM
6Y	W	ULS Kerosene	a.k.a. Y Grade	10 PPM

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

Distilates

<u>CODE</u>	<u>CLASS</u>	<u>PRODUCT NAME</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
72			<i>Inactive</i>	
73			<i>Inactive</i>	
74	F	Low Sulfur Diesel Fuel	Locomotive & Marine	470 PPM
75	F	Ultra Low Sulfur Diesel Fuel		10 PPM
76			<i>Inactive</i>	
77	F	Ultra Low Sulfur Diesel Fuel	On Road - TxLED	10 PPM
78			<i>Inactive</i>	
79			<i>Inactive</i>	
7A	F	Low Sulfur Diesel Fuel	Off Road	470 PPM
7B	F	Ultra Low Sulfur Diesel Fuel	Off Road - TxLED	10 PPM
7C	S	Ultra Low Sulfur Diesel Fuel	TxLED	10 PPM
7D	S	Ultra Low Sulfur Diesel Fuel	Buffer for 1B	10 PPM
7H	W	High Sulfur Diesel Fuel	Off Road (a.k.a. X5 Grade - Dyed)	5000 PPM
7R	F	Ultra Low Sulfur Diesel Fuel	No delivery in Texas; 5% Renewable	10 PPM
7V	F	Ultra Low Sulfur Diesel Fuel	Off Road	10 PPM
7X	W	Ultra Low Sulfur Diesel Fuel	On Road (a.k.a. X Grade)	10 PPM

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch; TxLED does not require additization at destination

Distillate and Transmix

<u>CODE</u>	<u>CLASS</u>	<u>PRODUCT NAME</u>	<u>NOTES</u>	<u>Critical Characteristics</u>
80	S	Light Cycle Oil	Undyed	5000 PPM
81	F	Sphere		
90	F	Transmix		
91			<i>Inactive</i>	
92	F	Transmix	Not in Transmix Pool / Shipper Batch	
94	F	Transmix	Gas Rich Transmix	
96	F	Transmix	Oil Rich Transmix	
97	F	Transmix	Received From Shipper in Fuel Oil	
9A	F	Transmix	Shipper Inventory	

Class: F = Fungible; S = Segregated; W = Magellan Pipe Line Batch

§ 80.71 Descriptions of VOC-control regions.

(a) Reformulated gasoline covered areas which are located in the following States are included in VOC-Control Region 1:

Alabama
Arizona
Arkansas
California
Colorado
District of Columbia
Florida
Georgia
Kansas
Louisiana
Maryland
Mississippi
Missouri
Nevada
New Mexico
North Carolina
Oklahoma
Oregon
South Carolina
Tennessee
Texas
Utah
Virginia

(b) Reformulated gasoline covered areas which are located in the following States are included in VOC-Control Region 2:

Connecticut
Delaware
Idaho
Illinois
Indiana
Iowa
Kentucky
Maine
Massachusetts
Michigan
Minnesota
Montana
Nebraska
New Hampshire
New Jersey
New York
North Dakota
Ohio
Pennsylvania
Rhode Island
South Dakota
Vermont
Washington
West Virginia
Wisconsin
Wyoming

(c) Reformulated gasoline covered areas which are partially in VOC Control Region 1 and partially in VOC Control Region 2 shall be included in VOC Control Region 1, except in the case of the Philadelphia-Wilmington-Trenton CMSA which shall be included in VOC Control Region 2.