

# APPENDIX C PRODUCT CODES

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## 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	Minimum RVP of 4.5
11	S	Naphtha - Light	Not Diluent (<200 ppm sulfur / 70-85 gravity)	Minimum RVP of 4.5
12	S	Naphtha - Heavy	Not Diluent (>200 ppm sulfur / 50-70 gravity)	Minimum RVP of 4.5
13	S	Naphtha Mix	Not Diluent	Minimum RVP of 4.5
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	No DRA allowed	Low Octane (AKI - 55-70)
19	S	HUF/Toluene		High Octane (AKI - 95)
1A	F	Diluent - Natural Gasoline Refined	a.k.a. Diluent	Low Olefins 3000 sulfur
1B	F	Diluent - Natural Gasoline Unrefined	a.k.a. Diluent	Low Olefins
1C	S	Diluent - Condensate	a.k.a. Diluent	Low Olefins
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>
22	W	Tulsa Area	a.k.a. A Grade	High Octane (AKI - 91)
26	S	Missouri & Illinois	Premium Conventioanl	High Octane (AKI - 91)
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. A3 Grade	High Octane (AKI - 93)
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	S	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)

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## 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	

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## 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	discontinued
43	W	Tulsa Area	a.k.a. N1 Grade	
44	F	Houston - Dallas	CBOB	After blending AKI 87.0 7.8 RVP
45	F	Illinois - Indiana	CBOB	AKI 87.0 after blending
46	F	Illinois - Indiana - Missouri	All non-hydrocarbons (oxygenates) are prohibited	
47	S	Missouri	CBOB	AKI 87.0 after blending
48	S	Hammond, Indiana	Reprocessed	
49	S		Buffer Batch	
4E	S	Illinois Only	AKI 87.0 before blending	T50 Distillation Specification
4F	W	Texas	Sub Octane (a.k.a. V-78 Grade)	87.0 after blending (7.8 RVP)
4G	W	Texas	Sub Octane (a.k.a. V-68 Grade)	87.0 after blending (6.8 RVP)
4H	W	Texas	Sub Octane (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	Sub Octane (seasonal specifications)	84.0 neat or 87.0 blended
4M	F	Illinois - Indiana - Missouri	Meets 45 spec if the blended octane is 87 Sub Octane	87.0 after blending

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## 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	

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## 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	1500 PPM S
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		Light Middle Distillate	<i>Inactive</i>	LMD
56	S	Low Sulfur Kerosene	K1-Kerosene	470 PPM
57	S	Jet Fuel (ULS)	Ultra Low Sulfur Jet	12 PPM S
58			<i>Inactive</i>	
59	F	Jet Fuel	Buffer Batch	1500 PPM S
60			<i>Inactive</i>	
61			<i>Inactive</i>	
62			<i>Inactive</i>	
63			<i>Inactive</i>	
64	S	ULS Kerosene		12 PPM S
6Y	W	ULS Kerosene	a.k.a. Y Grade	12 PPM S

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## Distillates

<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	S	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	S	Low Sulfur Diesel Fuel	Off Road	470 PPM
7B	S	ULSD with 5% biodiesel	10" system only	Biodiesel
7C	S	Ultra Low Sulfur Diesel Fuel	TxLED	10 PPM
7D	S	Ultra Low Sulfur Diesel Fuel	Buffer for 1B	10 PPM
7E	S	TXLED with 5% biodiesel	10" system only	Biodiesel
7H	W	High Sulfur Diesel Fuel	Off Road (a.k.a. X5 Grade - Dyed)	5000 PPM
7R	F	Ultra Low Sulfur Diesel Fuel Renewable	Same Specifications as 75	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

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## 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	EPL 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	Explorer Sold Transmix for processing	
9A	F	Transmix	Shipper Inventory	
9Z	F	Transmix	ULST Gas Rich	
9Y	F	Transmix	ULST Oil Rich	
9X	F	Transmix	sulfur between 21 and 30 ppm	

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§ 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.