

PRODUCT CODES

BLENDSTOCKS & 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)	Min.RVP of 4.5 Aromatics 40%
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)
1B	F	Diluent - Natural Gasoline Unrefined	a.k.a. Diluent	Low Olefins
1E	S	Naphtha - No DRA	No DRA allowed	Low Octane (AKI - 55-70)

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

PREMIUM CONVENTIONAL GASOLINE

<u>CODE</u>	<u>CLASS</u>	<u>DESTINATION</u>	<u>NOTES</u>	<u>CRITICAL CHARACTERISTICS</u>
22	M	Tulsa Area	a.k.a. A Grade	High Octane (AKI - 91)
26	S	Missouri & Illinois	Premium Conventional	High Octane (AKI - 91)
31	F	Houston-Dallas Area	All non-hydrocarbons (oxygenates) are prohibited	High Octane (AKI - 93)
32	M	Tulsa Area	a.k.a. A3 Grade	High Octane (AKI - 93)
33	M	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)
3E	S	Illinois Only		High Octane (AKI - 93)

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PREMIUM BLENDSTOCK FOR OXYGENATED BLENDING

CODE	CLASS	COMPLEX MODEL	DESTINATION	REGION	VOC CONTROLLED YES/NO	RVP MAX.	OXYGEN MIN/MAX	AKI MIN	ETHANOL BLEND RATE % BY VOLUME	AKI AFTER BLENDING	Emissions Performance Reduction (%)
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	1	Yes	7.2		Report	10.0		27.0
3S	F	Yes	St. Louis Area	1	Yes	7.2		Report	10.0	93.0	27.0
3T	F	Yes	St. Louis Area	1	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	1	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	M	Tulsa Area	a.k.a. N2 Grade	
41	F	Houston - Dallas	All non-hydrocarbons (oxygenates) are prohibited	
42	M	Tulsa Area	a.k.a. N Grade	discontinued
43	M	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	M	Texas	Sub Octane (a.k.a. V-78 Grade)	87.0 after blending (7.8 RVP)
4G	M	Texas	Sub Octane (a.k.a. V-68 Grade)	87.0 after blending (6.8 RVP)
4H	M	Texas	Sub Octane (a.k.a. V-66 Grade)	87.0 after blending (6.6 RVP)
4J	M	Texas	CBOB	87.0 after blending
4K	M	Tulsa Area	Sub Octane (seasonal specifications)	84.0 neat or 87.0 blended
			Meets 45 spec if the blended octane is 87	
4M	F	Illinois - Indiana - Missouri	Sub Octane	87.0 after blending

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Dated: ~~[W] November 2, 2018~~ December 5, 2018

Explorer Pipeline
Product Codes

BLENDSTOCK FOR OXYGENATED BLENDING

CODE	CLASS	COMPLEX MODEL	DESTINATION	REGION	VOC CONTROLLED YES/NO	RVP MAX.	OXYGEN MIN/MAX	AKI MIN	ETHANOL BLEND RATE % BY VOLUME	AKI AFTER BLENDING	Emissions Performance Reduction (%)
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	1	Yes	7.8 Report		82.0	10.0	87.0	27.0
4T	F	Yes	St. Louis	1	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	M	Jet Fuel	a.k.a. Q Grade	3000 PPM
54	F	Jet Fuel	Jet A (Bonded Use)	1500 PPM S
56	S	Low Sulfur Kerosene	K1-Kerosene	470 PPM
57	S	Jet Fuel (ULS)	Ultra Low Sulfur Jet	[W]42 PPM S <u>11 PPM S</u>
58	F	Jet Fuel (ULS)	Ultra Low Sulfur Jet	[W]42 PPM S <u>11 PPM S</u>
59	F	Jet Fuel	Buffer Batch	1500 PPM S
64	S	ULS Kerosene		[W]42 PPM S <u>11 PPM S</u>
6Y	M	ULS Kerosene	a.k.a. Y Grade	[W]42 PPM S <u>11 PPM S</u>

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FUEL OILS

<u>CODE</u>	<u>CLASS</u>	<u>PRODUCT NAME</u>	<u>NOTES</u>	<u>CRITICAL CHARACTERISTICS</u>
74	S	Low Sulfur Diesel Fuel	Locomotive & Marine	470 PPM
75	F	Ultra Low Sulfur Diesel Fuel		[W]40 PPM <u>11 PPM</u>
77	F	Ultra Low Sulfur Diesel Fuel	On Road - TxLED	[W]40 PPM <u>11 PPM</u>
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	M	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	[W]40 PPM <u>11 PPM</u>
7V	F	Ultra Low Sulfur Diesel Fuel	Off Road	[W]40 PPM <u>11 PPM</u>
7X	M	Ultra Low Sulfur Diesel Fuel	On Road (a.k.a. X Grade)	[W]40 PPM <u>11 PPM</u>

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SPECIAL DISTILLATE FUELS & TRANSMIX

[N]

<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		
84	S	Light Middle Distillate (LMD)	Distillate Blend Stock	2000 PPM S
90	F	Transmix	EPL Transmix	
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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