

BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING

CONVENTIONAL GASOLINES - SEGREGATED GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	GRADE ABBREVIATION	MAX RVP (psi) (NEAT)	GRADE NAME
002	LO-RVP CONV 87	9.0	Regular Summer Conventional Gasoline
005	LO-RVP CONV 93	9.0	Premium Summer Conventional Gasoline
007	LO-RVP CONV 91	9.0	Summer CBOB - Premium Low RVP Gasoline (E10) (may not be NIST compliant)
008	LO-RVP CONV 83	9.0	Summer CBOB - Low RVP Gasoline (E10) (may not be NIST compliant)
012	CONV 87	11.5 / 13.5 / 15.0	Regular Winter Conventional Gasoline
017	CONV 91	15.0	Winter CBOB - Premium Conventional Gasoline (E10) (may not be NIST compliant)
018	CONV 83	15.0	Winter CBOB - Conventional Gasoline (E10) (may not be NIST compliant)
020	GSBF	N/A	Gasoline Buffer (High Gravity)
022	VOC CONV 87	7.8	Regular Summer Conventional Gasoline - S.E. Michigan
025	VOC CONV 93	7.8	Premium Summer Low RVP Conventional Gasoline - S.E. Michigan
028	VOC CONV 83	7.8	Summer CBOB Low RVP Conventional Gasoline - S.E. Michigan
029	LO-RVP 91	8.8	Premium 8.8 RVP Summer CBOB Gasoline
037	LOW RVP 91 OCTANE	6.8	Premium Summer CBOB 6.8 RVP (may not be NIST compliant)
038	LOW RVP 83 OCTANE	6.8	Summer CBOB 6.8 RVP (may not be NIST compliant)
044	CBOB	N/A	Winter CBOB Non-VOC (may not be NIST compliant)
048	CBOB	N/A	Illinois Compliant Winter CBOB
049	CANADIAN CBOB	N/A	Canadian CBOB Blendstock - Export
066	LOW RVP PREM CBOB	8.5	Summer CBOB Premium 8.5 RVP
068	LO-RVP CONV 83	9.0	Summer CBOB Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
207	BONDED GAS 90	9.0	Bonded 90 Octane Gasoline Fuel for Export Use Only – 9 RVP
238	CAN 6.8 SUB	6.8	Sub-Octane Regular 6.8 RVP Canadian Gasoline - Export
253	CAN 13.5 CBOB	13.5	Canadian Reg CBOB Blendstock 13.5 RVP - Export
254	EXPORT GAS	13.5	Regular Gasoline Fuel for Export Use Only - 13.5 RVP
257	CONV 91 13.5	13.5	Winter CBOB - Premium 91 Octane 13.5 RVP (E10) (may not be NIST compliant)
258	CONV 83 13.5	13.5	Winter CBOB - Regular 84 Octane 13.5 RVP (E10) (may not be NIST compliant)
262	CBOB 10 RVP	10.0	Winter CBOB RVP 10.0
264	CBOB Prem 10 RVP	10.0	Winter CBOB Premium 10.0
265	91 CBOB LOW RVP	6.8	91 Octane Summer CBOB 6.8 RVP
273	CAN 11.5 CBOB	11.5	Canadian Reg CBOB Blendstock 11.5 RVP - Export
274	EXPORT GAS	11.5	Regular Gasoline Fuel for Export Use Only - 11.5 RVP
275	MID-RVP CONV 93	11.5	Premium Winter Conv Gasoline (For Ethanol Blending (E10) in Illinois)
277	CONV 91 11.5	11.5	Winter CBOB - Premium 91 Octane 11.5 RVP (E10) (may not be NIST compliant)
278	CONV 83 11.5	11.5	Winter CBOB - Regular 84 Octane 11.5 RVP (E10) (may not be NIST compliant)
281	CAN 9.0 CBOB	9.0	Canadian Reg CBOB Blendstock 9.0 RVP - Export
283	EXPORT GAS 83	9.0	Regular Gasoline Fuel for Export Use Only - 9 RVP
285	MID-RVP CONV 93	13.5	Premium Winter Conv Gasoline (For Ethanol (E10) Blending in Illinois)
286	EXPORT GAS 91	6.8	Premium 6.8 RVP Bonded FTZ gasoline - Export
287	EXPORT GAS 91	9.0	Premium Gasoline Fuel for Export Use Only - 9 RVP
288	EXPORT GAS 84	6.8	Regular 6.8 RVP Bonded FTZ gasoline - Export
291	CAN 84 13.1	13.1	Canadian CBOB Regular 13.1 RVP - Export
293	EXPORT GAS 83	15.0	Regular Gasoline Fuel for Export Use Only - 15 RVP
295	83 CBOB	15.0	83 Winter CBOB 15.0 RVP Conventional Gasoline
296	CAN 84 15.0	15.0	Canadian CBOB Regular 15.0 RVP - Export
297	EXPORT GAS 91	11.5 / 13.5 / 15.0	Premium Gasoline Fuel for Export Use Only - Winter

NOTE 1: The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited on all grades.
Any gasoline containing more than 0.50 wt. % Dicyclopentadiene will NOT be accepted for shipment on all grades.

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

REFORMULATED GASOLINES - SEGREGATED GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	GRADE ABBREVIATION	MIN-VOC % or Max RVP (psi) w10%Eth	GRADE NAME
422	VOC Regular RBOB	21.4%	Reg-VOC Controlled-Adjusted-Region-2-RBOB (10% ETOH) – (Chicago-Area)
425	VOC Premium RBOB	21.4%	Prem-VOC Controlled-Adjusted-Region-2-RBOB (10% ETOH) – (Chicago-Area)
432	VOC Regular RBOB	25.4% 7.4	Regular-VOC Controlled-Region-2-RBOB (10% ETOH) – CT, MA, LIS Summer RBOB - 87 Octane after blending with 10% denatured fuel ethanol
435	VOC Premium RBOB	25.4% 7.4	Premium-VOC Controlled-Region-2-RBOB (10% ETOH) – CT, MA, LIS Summer RBOB - 93 Octane after blending with 10% denatured fuel ethanol
442	NON-VOC Regular RBOB	15.5	Regular-NON-VOC Controlled-RBOB (10% ETOH) Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
445	NON-VOC Premium RBOB	15.5	Premium-NON-VOC Controlled-RBOB (10% ETOH) Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol
462	VOC Regular RBOB	25.0%	Regular-VOC Controlled-Region-1-RBOB (10% ETOH)
465	VOC Premium RBOB	25.0%	Premium-VOC Controlled-Region-1-RBOB (10% ETOH)
472	NON-VOC Mid-RVP Regular RBOB	12.5	Regular-NON-VOC Controlled-Mid-RVP-RBOB (10% ETOH)- Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
475	NON-VOC Mid-RVP Premium RBOB	12.5	Premium-NON-VOC Controlled-Mid-RVP-RBOB (10% ETOH)- Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol
482	NON-VOC Mid-RVP Regular RBOB	14.5	Regular-NON-VOC Controlled-Mid-RVP-RBOB (10% ETOH)- Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
485	NON-VOC Mid-RVP Premium RBOB	14.5	Premium-NON-VOC Controlled-Mid-RVP-RBOB (10% ETOH)- Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol

NOTE 1: The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited on all grades.

Any gasoline containing more than 0.50 wt. % Dicyclopentadiene will NOT be accepted for shipment on all grades.

BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING

CONVENTIONAL GASOLINES - SEGREGATED GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	GRADE ABBREVIATION	MAX RVP (psi) (NEAT)	GRADE NAME
902	87 FULL 9.0	9.0	Full Octane Regular 9.0 RVP - Summer CG
903	83 CBOB 9.0	9.0	Summer CBOB Regular 9.0 RVP
904	91 CBOB 9.0	9.0	Summer CBOB Premium 9.0 RVP
905	93 FULL 9.0	9.0	Full Octane Premium 9.0 RVP - Summer CG
907	91 SUB 9.0	9.0	91 Octane Premium 9.0 RVP - Summer CBOB
908	83 SUB 9.0	9.0	Sub-Octane Regular 9.0 RVP - Summer CBOB
912	87 FULL 15	15.0	Full Octane Regular 15.0 RVP - Winter CG
913	83 CBOB 15	15.0	Winter CBOB Regular 15.0 RVP
914	91 CBOB 15	15.0	Winter CBOB Premium 15.0 RVP
915	93 FULL 15	15.0	Full Octane Premium 15.0 RVP - Winter CG
917	91 SUB 15	15.0	91 Octane Premium 15.0 RVP - Winter CBOB
918	83 SUB 15	15.0	Sub-Octane Regular 15.0 RVP - Winter CBOB
922	87 FULL 7.8	7.8	Full Octane Regular 7.8 RVP Summer CG
923	83 CBOB 7.8	7.8	Summer CBOB Regular 7.8 RVP
924	91 CBOB 7.8	7.8	Summer CBOB Premium 7.8 RVP
925	93 FULL 7.8	7.8	Full Octane Premium 7.8 RVP - Summer CG
927	91 SUB 7.8	7.8	91 Octane Premium 7.8 RVP - Summer CBOB
928	83 SUB 7.8	7.8	Sub-Octane Regular 7.8 RVP - Summer CBOB
932	87 FULL 6.8	6.8	Full Octane Regular 6.8 RVP - Summer CG
933	83 CBOB 6.8	6.8	Summer CBOB Regular 6.8 RVP
934	91 CBOB 6.8	6.8	Summer CBOB Premium 6.8 RVP
935	93 FULL 6.8	6.8	Full Octane Premium 6.8 RVP - Summer CG
937	91 SUB 6.8	6.8	91 Octane Premium 6.8 RVP - Summer CBOB
938	83 SUB 6.8	6.8	Sub-Octane Regular 6.8 RVP - Summer CBOB
947	91 SUB 6.6	6.6	91 Octane Premium 6.6 RVP (7.8 RVP 93 Octane with 10% ethanol) - Summer CBOB
948	83 SUB 6.6	6.6	Sub-Octane Regular 6.6 RVP (7.8 RVP 87 Octane with 10% ethanol) - Summer CBOB
952	87 Full 13.5	13.5	Full Octane Regular 13.5 RVP - Winter CG
953	83 CBOB 13.5	13.5	Winter CBOB Regular 13.5 RVP
954	91 CBOB 13.5	13.5	Winter CBOB Premium 13.5 RVP
957	91 Sub 13.5	13.5	91 Octane Premium 13.5 RVP - Winter CBOB
958	83 Sub 13.5	13.5	Sub-Octane Regular 13.5 RVP - Winter CBOB
972	87 Full 11.5	11.5	Full Octane Regular 11.5 RVP - Winter CG
973	83 CBOB 11.5	11.5	Winter CBOB Regular 11.5 RVP
974	91 CBOB 11.5	11.5	Winter CBOB Premium 11.5 RVP
977	91 Sub 11.5	11.5	91 Octane Premium 11.5 RVP - Winter CBOB
978	83 Sub 11.5	11.5	Sub-Octane Regular 11.5 RVP - Winter CBOB

- NOTE 1: The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited.
Any gasoline containing more than 0.50 wt. % Dicyclopentadiene will NOT be accepted for shipment.
- NOTE 2: All 900 Series Segregated Gasoline codes are designated to meet post 10% ethanol blend specifications, and should be used for destinations that require ethanol blend limits for TV/L and T50.

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - FUNGIBLE GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	GRADE ABBREVIATION	MAX RVP (psi) w10%Eth	GRADE NAME
307	LO-RVP CON 90	9.0 10.0	90 Octane Low-RVP Conventional Gasoline Summer CBOB - 93 Octane after blending with 10% denatured fuel ethanol
308	LO-RVP CON 83	9.0 10.0	Sub-Octane Low-RVP Conventional Gasoline- Summer CBOB - 87 Octane after blending with 10% denatured fuel ethanol
317	CONV 90	15.0*/15.5	90 Octane Conventional Gasoline- Winter CBOB - 93 Octane after blending with 10% denatured fuel ethanol
318	CONV 83	15.0*/15.5	Sub-Octane Conventional Gasoline- Winter CBOB - 87 Octane after blending with 10% denatured fuel ethanol
327	VOC CONV 90	7.8 9.0	90 Octane Conventional Gasoline- Summer CBOB - 93 Octane after blending with 10% denatured fuel ethanol
328	VOC CONV 83	7.8 9.0	Sub-Octane Conventional Gasoline- Summer CBOB - 87 Octane after blending with 10% denatured fuel ethanol
337	VOC CONV 90	6.8 8.0	90 Octane Conventional Gasoline - S.E. Michigan- Summer CBOB - 93 Octane after blending with 10% denatured fuel ethanol
338	VOC CONV 83	6.8 8.0	Sub-Octane conventional Gasoline - S.E. Michigan- Summer CBOB - 87 Octane after blending with 10% denatured fuel ethanol
357	90 Sub 13.5	13.5*/14.5	90 Octane Premium 13.5 RVP- Winter CBOB - 93 Octane after blending with 10% denatured fuel ethanol
358	83 Sub 13.5	13.5*/14.5	Sub-Octane Regular 13.5 RVP- Winter CBOB - 87 Octane after blending with 10% denatured fuel ethanol
377	90 Sub 11.5	11.5 12.5	90 Octane Premium 11.5 RVP- Winter CBOB - 93 Octane after blending with 10% denatured fuel ethanol
378	83 Sub 11.5	11.5 12.5	Sub-Octane Regular 11.5 RVP- Winter CBOB - 87 Octane after blending with 10% denatured fuel ethanol

NOTE 1: *Lower RVP Applies to Eastern Products (E), Paulsboro (P) and Laurel (L) Systems after E10 Blending

GRADE NUMBER	GRADE ABBREVIATION	MIN-VOC-% or Max RVP (psi) w10%Eth	GRADE NAME
522	VOC-Regular-RBOB	23.4%	Regular VOC Controlled Adjusted Region 2 RBOB (10% ETOH) - (Chicago Area)
525	VOC-Premium-RBOB	23.4%	Premium VOC Controlled Adjusted Region 2 RBOB (10% ETOH) - (Chicago Area)
532	VOC Regular RBOB	25.4% 7.4	Regular VOC Controlled Region 2 RBOB (10% ETOH) Summer RBOB - 87 Octane after blending with 10% denatured fuel ethanol
535	VOC Premium RBOB	25.4% 7.4	Premium VOC Controlled Region 2 RBOB (10% ETOH) Summer RBOB - 93 Octane after blending with 10% denatured fuel ethanol
542	NON-VOC Regular RBOB	15.0*/15.5	Regular NON-VOC Controlled - 15.0 RVP RBOB (10% ETOH) Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
545	NON-VOC Premium RBOB	15.0*/15.5	Premium NON-VOC Controlled - 15.0 RVP RBOB (10% ETOH)- Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol
552	VOC-Regular-RBOB	27.0%	Regular VOC Controlled Region 1 RBOB (10% ETOH) - Wood River (St. Louis)
555	VOC-Premium-RBOB	27.0%	Premium VOC Controlled Region 1 RBOB (10% ETOH) - Wood River (St. Louis)
572	NON-VOC Regular RBOB	12.5	Regular NON-VOC Controlled - 11.5 RVP RBOB (10% ETOH) Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
575	NON-VOC Premium RBOB	12.5	Premium NON-VOC Controlled - 11.5 RVP RBOB (10% ETOH)- Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol
582	NON-VOC Regular RBOB	13.5*/14.5	Regular NON-VOC Controlled - 13.5 RVP RBOB (10% ETOH) Winter RBOB - 87 Octane after blending with 10% denatured fuel ethanol
585	NON-VOC Premium RBOB	13.5*/14.5	Premium NON-VOC Controlled - 13.5 RVP RBOB (10% ETOH)- Winter RBOB - 93 Octane after blending with 10% denatured fuel ethanol

NOTE 1: *Lower RVP Applies to Eastern Products (E), Long Island (I), Paulsboro (P) and Laurel (L) Systems after E10 Blending

NOTE 2: For all Grades listed, additional neat RVP requirements may apply. See Section 6.3 for full RVP specifications.

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

DISTILLATES - SEGREGATED GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME	MIN. FLASH POINT	EPA CLASS. (3)
030		LO SUL DSL	Yes	<=.042%	Diesel/Fuel Oil (Non-Road) - Dyed	130° F	LM500
032		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (Non-Road)	130° F	LM500
033		EXPORT ULSD	No	<=.0015%	Diesel Fuel for Export Use Only	130° F	Fuel for Export
050	1	ULSK	No	<=.0015%	Ultra Low Sulfur Kerosene Diesel No. 1 (Non-Road) - Certified NTDF	108° F	Kerosene
051	1	ULSD-1	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Motor Vehicle)	108° F	ULSD
054	1	1-K KERO (NON-AV)	No	<=.04%	1-K Kerosene (Non-Road)	108° F	Kerosene
056	5	ULSD (ADD)	No	<=.0015%	Ultra Low Sulfur Diesel (Motor Vehicle) (to be additized by BPL) - Jet Lines System Only	130° F	ULSD
057	5	ULS HO (ADD)	No	<=.0015%	ULSHO (Lubricity/Conductivity to be additized by BPL) - Jet Lines System Only - Certified NTDF	130° F	Heating Oil
058	5	ULS HO (ADD)	No	<=.0015%	ULSHO (Red Dye & Lubricity/Conductivity to be additized by BPL) - Jet Lines System Only - Certified NTDF	130° F	Heating Oil
059		HS FUEL OIL (>.05% SUL)	No	>.05%	High Sulfur Fuel Oil Interface - Undyed	108° F	Heating Oil
069	5	HO (<.05% SUL ADD)	Yes	<=.045%	Heating Oil 500 ppm (to be additized by BPL) - Jet Lines System Only	116° F	Heating Oil
090		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	ULSD
093		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Non-Road)	130° F	ULSD
094		BONDED ULSD	No	<=.0015%	Bonded Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	ULSD
095		ULSDP	No	<=.0015%	Premium Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	ULSD
100		ULSD14	No	<=.0015%	Ultra Low Sulfur Diesel - Tmix Processor	130° F	ULSD
101	4	HEATING OIL (15 ppm)	Yes	<=.0015%	Heating Oil 15 PPM Sulfur (Dyed) - Jet Lines System Only - Certified NTDF	116° F	Heating Oil
102	5	ULS HO (ADD)	No	<=.0015%	ULSHO (Red Dye to be additized by BPL) - Jet Lines System Only - Certified NTDF	130° F	Heating Oil
104	5	ULS HO (ADD)	Yes	<=.0015%	Dyed ULSHO (Lubricity/Conductivity to be additized by BPL) - Jet Lines System Only - Certified NTDF	130° F	Heating Oil

DISTILLATES - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR (2)	GRADE NAME	MIN. FLASH POINT	EPA CLASS. (3)
132		LO SUL DSL	No	<=.042%	Low Sulfur Diesel (Non-Road) - LM500	130° F	LM500
150	1	ULSK	No	<=.0015%	Ultra Low Sulfur Kerosene Diesel No. 1 (Non-Road) - Certified NTDF	108° F	Kerosene
151	1	ULSD-1	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Motor Vehicle)	108° F	ULSD
154	1	KEROSENE FUEL	No	<=.04%	Kerosene Fuel - Non Aviation	108° F	KEROSENE
159	4	HEATING OIL (<.05%)	Yes	<=.045%	Heating Oil 500 PPM Sulfur Dyed	116° F	Heating Oil
164		HEATING OIL (15 ppm)	No	<=.0015%	Heating Oil 15 PPM Sulfur (Undyed) - Certified NTDF	130° F	Heating Oil
169	4	HEATING OIL (<.05%)	No	<=.045%	Heating Oil 500 PPM Sulfur Undyed	116° F	HOURMK
190		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	ULSD
193		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Non-Road)	130° F	ULSD

TRANSMIX / INTERFACE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME
059		HS FUEL INTERFACE	N/A	N/A	High Sulfur Fuel Oil Interface
073		ULS TRX	N/A	N/A	Ultra Low Sulfur Transmix (Operational - no distillates with sulfur >15 ppm)
074		ULS TRX	N/A	N/A	Ultra Low Sulfur Transmix (Nominated - no distillates with sulfur >15 ppm)
075		HI SUL CONV TRX	N/A	N/A	High Sulfur Conventional Transmix (Operational)
076		LO SUL CONV TRX	N/A	N/A	Low Sulfur Conventional Transmix
077		HI SUL CONV TRX	N/A	N/A	High Sulfur Conventional Transmix (Nominated Batch)

- NOTES:
1. Use of Pipeline Drag Reducing Agent is permitted in these grades of non-aviation kerosene.
 2. Actual sulfur specifications are listed in Section 6.3 Product Specifications.
 3. EPA Distillate Designation codes. All volumes should be reported under the listed code.
 4. Minimum flash point of 116F at receipt.
 5. Lubricity, conductivity and/or red dye additive will be added by BPL before transit is complete (Jet Lines System only).

BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING

AVIATION FUEL - SEGREGATED GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	% WT. SULFUR	GRADE NAME	MIN. FLASH POINT *	EPA CLASS. (3)
052	1	1-K/AV KERO	<=.04%	Aviation / Kerosene	105° F	KEROSENE
055	1	ULSK/JET/ULSD-1	<=.0015%	Multi-Purpose Fuel (Jet/ULSK/Motor Vehicle ULSD-1)	123° F	ULSD
080		AVIATION GASO		Aviation Gasoline	N/A	
082		AV KERO		Aviation Kerosene	105° F	JET FUEL
083		JET AA		Aviation Kerosene Additized	105° F	JET FUEL
084		FTZ/BONDED TURBINE		FTZ/Bonded Jet Fuel	105° F	JET FUEL

AVIATION FUEL - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	% WT. SULFUR (2)	GRADE NAME	MIN. FLASH POINT *	EPA CLASS. (3)
452	4	1-K/AV KERO	<=.04%	Aviation / Kerosene	105° F	KEROSENE
155	1	ULSK/JET/ULSD-1	<=.0015%	Multi-Purpose Fuel (ULSD-1(Motor Vehicle)/Jet/ULSK)	105° F	ULSD
182		AV KERO	<=.3%	Aviation Kerosene	105° F	JET FUEL
188		ULS AV KERO	<=.0015%	Ultra Low Sulfur Aviation Kerosene	105° F	JET FUEL

- NOTES: 1. Minimum Cetane Index - 40
2. Actual sulfur specifications are listed in Section 6.3 Product Specifications.
3. EPA Distillate Designation codes. All volumes should be reported under the listed code.

BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING

LIQUIFIED PETROLEUM GASES (LPG'S) - SEGREGATED

(For the purposes of the Anti-Dumping requirements under 40 CFR Subpart E, this blendstock has been accounted for by the refiner that produced it, and must be excluded from any subsequent compliance calculations.)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
085	BUTANE/BUTYLENE	Butane/Butylene
087	ISO BUTANE	Iso-Butane

LIQUIFIED PETROLEUM GASES (LPG'S) - SEGREGATED

(For the purposes of the Anti-Dumping requirements under 40 CFR Subpart E, this blendstock has NOT been accounted for by the refiner that produced it, and must be given a different blendstock/feedstock grade code.)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
886	NORMAL BUTANE	Normal Butane
887	ISO BUTANE	Iso-Butane
889	NORM BUTANE - REF. GRADE	Refinery Grade Normal Butane

LIQUIFIED PETROLEUM GASES (LPG'S) - SEGREGATED

(Not used in Gasoline Blending)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
089	PROPYLENE	Propylene
888	PROPANE	Propane

LIQUIFIED PETROLEUM GASES (LPG'S) - FUNGIBLE

(Not used in Gasoline Blending)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
086	NORMAL BUTANE	Normal Butane
088	PROPANE	Propane

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

UNFINISHED DISTILLATES and FEEDSTOCKS - SEGREGATED

(Not Suitable for use as Highway Diesel Fuel -- Not Dyed)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
061	HO BLENDSTOCK	Heating Oil Blendstock (inactive)
065	HO BLENDSTOCK	Heating Oil Blendstock
131	LSD BLENDSTOCK	Low Sulfur Diesel Blendstock (<500 ppm sulfur)
136	HVY CRUDE	Heavy Crude - OSH
137	CRUDE MSB	Crude Oil - Medium Sour Blends MSB
142	CRUDE SW	Crude Oil - Mixed Sweet Blend
143	CRUDE UHC	Crude Oil - US High Sweet - Clearbrook UHC
144	CRUDE LSB	Crude Oil - Light Sour Blend LSB
145	CRUDE MSM	Crude Oil - Midale Blend MSM
146	CRUDE SLE	Crude Oil - Edmonton Low Sour SLE
147	CRUDE SHE	Crude Oil - Edmonton High Sour SHE
148	CRUDE SO	Crude Oil - Mixed Sour Blend SO
149	CRUDE SYN	Crude Oil - Syncrude SYN
866	LMD	Light Middle Distillate
867	HMD	Heavy Middle Distillate
868	LCCO	Light Cat Cycle Oil
869	CRUDE	Crude Oil
870	CRUDE BUFFER (GASOLINE)	Gasoline Based Buffer for Crude Batches
871	CONDENSATE	Condensate Blend - CRW
872	CRUDE HI TAN	Crude Oil - High TAN
876	STR/RUN KERO-WW	Straight Run Kerosene
877	UNF/LT GAS OIL	Light Gas Oil
878	UNF/LT CYCL OIL	Light Cycle Oil
890	GAS OIL	Gas Oil

OTHER PRODUCTS - SEGREGATED

(For the purposes of the Anti-Dumping requirements under 40 CFR Subpart E, this blendstock has been accounted for by the refiner that produced it, and must be excluded from any subsequent compliance calculations.)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
040	NATURAL GASO	Natural Gasoline
042	RAFFINATE	Raffinate
045	TOLUENE	Toluene
091	NAPHTHA	Naphtha
092	ALKYLATE	Alkylate
099	HEAVY REFORMATE	Heavy Reformate

OTHER PRODUCTS - SEGREGATED

(For the purposes of the Anti-Dumping requirements under 40 CFR Subpart E, this blendstock has NOT been accounted for by the refiner that produced it, and must be given a different blendstock/feedstock grade code.)

GRADE NUMBER	GRADE ABBREVIATION	GRADE NAME
840	NATURAL GASO	Natural Gasoline
842	RAFFINATE	Raffinate
843	ISOMERATE	Isomerate
845	TOLUENE	Toluene
864	DILUENT	Diluent
891	NAPHTHA	Naphtha
892	ALKYLATE	Alkylate
893	LSR NAPHTHA	Light Straight Run Naphtha
894	DAN NAPHTHA	DAN Int Light Cat Cracked Naphtha
895	SHN NAPHTHA	SHN Stabilized Heavy Naphtha
898	TOTAL REFORMATE	Total Reformate
899	HEAVY REFORMATE	Heavy Reformate