

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - SEGREGATED GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	GRADE ABBREVIATION	MAX RVP (psi)	GRADE NAME
002	LO-RVP CONV 87	9.0	Regular Low RVP Conventional Gasoline
005	LO-RVP CONV 93	9.0	Premium Low RVP Conventional Gasoline
007	LO-RVP CONV 91	9.0	Premium Low RVP Gasoline
008	LO-RVP CONV 84	9.0	Sub-grade Low RVP Conventional Gasoline
012	CONV 87	11.5 / 13.5 / 15.0	Regular Conventional Gasoline
015	CONV 93	11.5 / 13.5 / 15.0	Premium Conventional Gasoline
017	CONV 91	12.9 / 14.5	Premium Conventional Gasoline
018	CONV 84	12.9 / 14.5	Sub-grade Conventional Gasoline
022	VOC CONV 87	7.8	Regular Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
025	VOC CONV 93	7.8	Premium Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
028	VOC CONV 84	7.8	Sub-grade Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
029	LO-RVP 91	8.8	Premium 8.8 RVP Subgrade Gasoline
037	LOW RVP 91 OCTANE	6.8	Premium Sub-Octane 6.8 RVP Conventional Gasoline
038	LOW RVP 84 OCTANE	6.8	Sub-Octane 6.8 RVP Conventional Gasoline
043	LCBOB	9.0	Low RVP CBOB
044	CBOB	N/A	CBOB Non-VOC
048	CBOB	N/A	Illinois Compliant CBOB
049	CANADIAN CBOB	N/A	Canadian CBOB Blendstock
066	LOW RVP PREM CBOB	8.5	CBOB Premium 8.5 RVP
068	LO-RVP CONV 84	9.0	Sub-grade Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
262	CBOB 10 RVP	10.0	CBOB RVP 10.0
264	CBOB Prem 10 RVP	10.0	CBOB Premium 10.0
265	91 CBOB LOW RVP	6.8	91 Octane CBOB 6.8 RVP
272	MID-RVP CONV 87	11.5	Regular Mid-RVP Conv Gasoline (For Ethanol Blending in Illinois)
275	MID-RVP CONV 93	11.5	Premium Mid-RVP Conv Gasoline (For Ethanol Blending in Illinois)
282	MID-RVP CONV 87	13.5	Regular Mid-RVP Conv Gasoline (For Ethanol Blending in Illinois)
285	MID-RVP CONV 93	13.5	Premium Mid-RVP Conv Gasoline (For Ethanol Blending in Illinois)
295	84 CBOB	15.0	84 CBOB 15.0 RVP Conventional Gasoline

GRADE NUMBER	GRADE ABBREVIATION	MIN VOC % or Max RVP (psi)	GRADE NAME
432	VOC Regular RBOB	23.4%	Regular VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
435	VOC Premium RBOB	23.4%	Premium VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
442	NON-VOC Regular RBOB	N/A	Regular NON-VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
445	NON-VOC Premium RBOB	N/A	Premium NON-VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
462	VOC Regular RBOB	9.0	Regular VOC Controlled RBOB (10% ETOH)
465	VOC Premium RBOB	9.0	Premium VOC Controlled RBOB (10% ETOH)
472	NON-VOC Mid-RVP Regular RBOB	11.5	Regular NON-VOC Controlled Mid-RVP RBOB (10% ETOH)
475	NON-VOC Mid-RVP Premium RBOB	11.5	Premium NON-VOC Controlled Mid-RVP RBOB (10% ETOH)
482	NON-VOC Mid-RVP Regular RBOB	13.5	Regular NON-VOC Controlled Mid-RVP RBOB (10% ETOH)
485	NON-VOC Mid-RVP Premium RBOB	13.5	Premium NON-VOC Controlled Mid-RVP RBOB (10% ETOH)

(Note 1 applies to all grades on this page.)

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.

**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)	GRADE NAME
302	MTBE-Free LO-RVP CONV 87	9.0	Regular Low RVP Conventional Gasoline
305	MTBE-Free LO-RVP CONV 93	9.0	Premium Low RVP Conventional Gasoline
307	MTBE-Free LO-RVP CON 91	9.0	91 Octane Low RVP Conventional Gasoline
308	MTBE-Free LO-RVP CON 84	9.0	Sub-Octane Low RVP Conventional Gasoline
312	MTBE-Free CONV 87	13.5 / 15.0	Regular Conventional Gasoline
314	84 SubOctane	11.5	Sub-Octane Conventional Gasoline - 11.5 RVP - Wood River System
315	CONV 93	13.5 / 15.0	Premium Conventional Gasoline
316	84 SubOctane	13.5	Sub-Octane Conventional Gasoline - 13.5 RVP - Wood River System
317	MTBE-Free CONV 91	12.9 / 14.5	91 Octane Conventional Gasoline
318	MTBE-Free CONV 84	12.9 / 14.5	Sub-Octane Conventional Gasoline
322	MTBE-Free VOC CONV 87	7.8	Regular Low RVP Conventional Gasoline
325	MTBE-Free VOC CONV 93	7.8	Premium Low RVP Conventional Gasoline
327	MTBE-Free VOC CONV 91	7.8	91 Octane Conventional Gasoline
328	MTBE-Free VOC CONV 84	7.8	Sub-Octane Conventional Gasoline
329	84 SubOctane	7.5	Sub-Octane Conventional Gasoline - 7.5 RVP - Wood River System
332	MTBE-Free VOC CONV 87	6.8	Regular Low RVP Conventional Gasoline - S.E. Michigan
335	MTBE-Free VOC CONV 93	6.8	Premium Low RVP Conventional Gasoline - S.E. Michigan
337	MTBE-Free VOC CONV 91	6.8	91 Octane Conventional Gasoline - S.E. Michigan
338	MTBE-Free VOC CONV 84	6.8	Sub-Octane Conventional Gasoline - S.E. Michigan
347	MTBE-Free 91 SubOctane	7.8	91 Octane 6.6 RVP (7.8 RVP 93 Octane with 10% ethanol)
348	MTBE-Free 84 SubOctane	7.8	84 Octane 6.6 RVP (7.8 RVP 87 Octane with 10% ethanol)
362	MTBE-Free LO-RVP CONV 87	9.0	Regular Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
365	MTBE-Free LO-RVP CONV 93	9.0	Premium Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)

GRADE NUMBER	GRADE ABBREVIATION	MIN VOC %	GRADE NAME
532	VOC Regular RBOB	23.4-25.4%	Regular VOC Controlled Region 2 RBOB (10% ETOH) - LIS and Wood River (Chicago)
535	VOC Premium RBOB	23.4-25.4%	Premium VOC Controlled Region 2 RBOB (10% ETOH) - LIS and Wood River (Chicago)
542	NON-VOC Regular RBOB	N/A	Regular NON-VOC Controlled Region 1 & 2 RBOB (10% ETOH) - LIS and Wood River
545	NON-VOC Premium RBOB	N/A	Premium NON-VOC Controlled Region 1 & 2 RBOB (10% ETOH) - LIS and Wood River
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)

(Note 1 applies to all grades on this page.)

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.*

**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	DNR500
032		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (Non-Road)	130° F	DNR500
050	1	ULSK	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Non-Road)	108° F	DNR015
051	1	ULSD-1	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Motor Vehicle)	108° F	DMV015
054	1	1-K KERO (NON-AV)	No	<=.04%	1-K Kerosene (Non-Road)	108° F	DNR500
060		HEATING OIL (<.2% SUL)	Yes	<=.2%	Heating Oil 2000 PPM Sulfur	130° F	HOUMRK
062		HEATING OIL (<.3% SUL)	Yes	<=.3%	Heating Oil - CT, MA	130° F	HOUMRK
064		HS FUEL OIL (>.05% SUL)	Yes	>.05%	High Sulfur Fuel Oil	130° F	HOUMRK
090		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	DMV015
093		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Non-Road)	130° F	DNR015
094		BONDED ULSD	No	<=.0015%	Bonded Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	DMV015
095		ULSDP	No	<=.0015%	Premium Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	DMV015

DISTILLATES - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR (2)	GRADE NAME	MIN. FLASH POINT	EPA CLASS. (3)
130		LO SUL DSL	No	<=.042%	Low Sulfur Diesel (Non-Road)	130° F	DNR500
132		LO SUL DSL	No	<=.042%	Low Sulfur Diesel (Non-Road) (Midwest Pipeline and Wood River Systems)	130° F	DNR500
150	1	ULSK	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Non-Road)	108° F	DNR015
151	1	ULSD-1	No	<=.0015%	Ultra Low Sulfur Diesel No. 1 (Motor Vehicle)	108° F	DMV015
154	1	KEROSENE FUEL	No	<=.04%	Kerosene Fuel - Non Aviation	108° F	KEROSENE
160		HEATING OIL (<.2% SUL)	Yes	<=.2%	Heating Oil 2000 PPM Sulfur (Linden and Boothwyn Origins)	130° F	HOUMRK
161		HEATING OIL (<.5% SUL)	Yes	<=.5%	Heating Oil 5000 PPM Sulfur	130° F	HOUMRK
164		HEATING OIL (15 ppm)	No	<=.0015%	Heating Oil 15 PPM Sulfur (Undyed)	130° F	HOUMRK
165		HEATING OIL (<.3% SUL)	Yes	<=.3%	Heating Oil 3000 PPM Sulfur (CT, MA)	130° F	HOUMRK
190		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Motor Vehicle)	130° F	DMV015
193		ULSD	No	<=.0015%	Ultra Low Sulfur Diesel (Non-Road)	130° F	DNR015

TRANSMIX GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME
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 Designate & Track reporting codes. All volumes should be reported under the listed code.

**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	108° F	KEROSENE
055	1	ULSK/JET/ULSD-1	<=.0015%	Multi-Purpose Fuel (Jet/ULSK/Motor Vehicle ULSD-1)	123° F	DMV015
080		AVIATION GASO		Aviation Gasoline	N/A	
081		JP-8 TURB		JP-8 Turbine Fuel - Military	108° F	
082		AV KERO		Aviation Kerosene	108° F	JET FUEL
084		FTZ/BONDED TURBINE		FTZ/Bonded Jet Fuel	108° F	JET FUEL

AVIATION FUEL - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	% WT. SULFUR (2)	GRADE NAME	MIN. FLASH POINT *	EPA CLASS. (3)
152	1	1-K/AV KERO	<=.04%	Aviation / Kerosene	108° F	KEROSENE
155	1	ULSK/JET/ULSD-1	<=.0015%	Multi-Purpose Fuel (ULSD-1(Motor Vehicle)/Jet/ULSK)	108° F	DMV015
182		AV KERO	<=.3%	Aviation Kerosene	108° F	JET FUEL

- NOTES:
1. Minimum Cetane Index - 40
 2. Actual sulfur specifications are listed in Section 6.3 Product Specifications.
 3. EPA Designate & Track reporting 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
086	NORMAL BUTANE	Normal Butane
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
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
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
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
845	TOLUENE	Toluene
864	DILUENT	Diluent
891	NAPHTHA	Naphtha
892	ALKYLATE	Alkylate
898	TOTAL REFORMATE	Total Reformate
899	HEAVY REFORMATE	Heavy Reformate