

BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING

GASOLINES - SEGREGATED GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
001		LO-RVP CONV 86	9.0	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline
002		LO-RVP CONV 87	9.0	N/A	N/A	N	Regular Low RVP Conventional Gasoline
003		LO-RVP CONV 89	9.0	N/A	N/A	N	Mid-grade Low RVP Conventional Gasoline
004		LO-RVP CONV 92	9.0	N/A	N/A	N	Premium Low RVP Conventional Gasoline
005		LO-RVP CONV 93	9.0	N/A	N/A	N	Premium Low RVP Conventional Gasoline
006		LO-RVP CONV 94	9.0	N/A	N/A	N	Premium Low RVP Conventional Gasoline
008		LO-RVP CONV 84	9.0	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline
007		LO-RVP CONV 91	9.0	N/A	N/A	N	Premium Low RVP Gasoline
009		LO-RVP OFF SPEC	9.0	N/A	N/A	N	Low RVP Off-Spec. Gasoline
011		CONV 86	N/A	N/A	N/A	N	Sub-grade Conventional Gasoline
012		CONV 87	N/A	N/A	N/A	N	Regular Conventional Gasoline
013		CONV 89	N/A	N/A	N/A	N	Mid-grade Conventional Gasoline
014		CONV 92	N/A	N/A	N/A	N	Premium Conventional Gasoline
015		CONV 93	N/A	N/A	N/A	N	Premium Conventional Gasoline
016		CONV 94	N/A	N/A	N/A	N	Premium Conventional Gasoline
017		CONV 91	N/A	N/A	N/A	N	Premium Conventional Gasoline
018		CONV 84	N/A	N/A	N/A	N	Sub-grade Conventional Gasoline
019		OFF SPEC	N/A	N/A	N/A	N	Off-Spec. Gasoline
021		VOC CONV 86	7.8	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
022		VOC CONV 87	7.8	N/A	N/A	N	Regular Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
023		VOC CONV 89	7.8	N/A	N/A	N	Mid-grade Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
024		VOC CONV 92	7.8	N/A	N/A	N	Premium Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
025		VOC CONV 93	7.8	N/A	N/A	N	Premium Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
026		VOC CONV 94	7.8	N/A	N/A	N	Premium Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
028		VOC CONV 84	7.8	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline - S.E. Michigan / Pittsburgh
065		LO-RVP CONV 93	9.0	N/A	N/A	N	Premium Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
068		LO-RVP CONV 84	9.0	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
201		MMT LO-RVP 86	9.0	N/A	N/A	Y	Sub-grade Low RVP Conventional Gasoline with MMT
202		MMT LO-RVP 87	9.0	N/A	N/A	Y	Regular Low RVP Conventional Gasoline with MMT
203		MMT LO-RVP 89	9.0	N/A	N/A	Y	Mid-grade Low RVP Conventional Gasoline with MMT
204		MMT LO-RVP 92	9.0	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT
205		MMT LO-RVP 93	9.0	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT
206		MMT LO-RVP 94	9.0	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT
208		MMT LO-RVP 84	9.0	N/A	N/A	Y	Sub-grade Low RVP Conventional Gasoline with MMT
211		MMT CONV 86	N/A	N/A	N/A	Y	Sub-grade Conventional Gasoline with MMT
212		MMT CONV 87	N/A	N/A	N/A	Y	Regular Conventional Gasoline with MMT
213		MMT CONV 89	N/A	N/A	N/A	Y	Mid-grade Conventional Gasoline with MMT
214		MMT CONV 92	N/A	N/A	N/A	Y	Premium Conventional Gasoline with MMT
215		MMT CONV 93	N/A	N/A	N/A	Y	Premium Conventional Gasoline with MMT
216		MMT CONV 94	N/A	N/A	N/A	Y	Premium Conventional Gasoline with MMT
218		MMT CONV 84	N/A	N/A	N/A	Y	Sub-grade Conventional Gasoline with MMT
221		MMT VOC 86	7.8	N/A	N/A	Y	Sub-grade Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
222		MMT VOC 87	7.8	N/A	N/A	Y	Regular Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
223		MMT VOC 89	7.8	N/A	N/A	Y	Mid-grade Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
224		MMT VOC 92	7.8	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
225		MMT VOC 93	7.8	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
226		MMT VOC 94	7.8	N/A	N/A	Y	Premium Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.
228		MMT VOC 84	7.8	N/A	N/A	Y	Sub-grade Low RVP Conventional Gasoline with MMT - S.E. Mich. / Pitts.

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

NOTES: 1 The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited.

MMT is permitted in segregated grades 201-228 only.

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

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - SEGREGATED GRADES (cont'd)

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN VOC %	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
401	2	VOC RFG 86	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Sub-grade VOC Controlled Region 2 RFG - CT, MA, LIS
402	2	VOC RFG 87	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Regular VOC Controlled Region 2 RFG - CT, MA, LIS
403	2	VOC RFG 89	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Mid-grade VOC Controlled Region 2 RFG - CT, MA, LIS
404	2	VOC RFG 92	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Premium VOC Controlled Region 2 RFG - CT, MA, LIS
405	2	VOC RFG 93	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Premium VOC Controlled Region 2 RFG - CT, MA, LIS
406	2	VOC RFG 94	N/A	23.4 (CT, MA) 25.4 (LIS)	1.5 - 2.7	1.30	N	Premium VOC Controlled Region 2 RFG - CT, MA, LIS
411	2	NON-VOC RFG 86	N/A		1.5 - 2.9	1.30	N	Sub-grade NON-VOC Controlled RFG - CT, MA, LIS
412	2	NON-VOC RFG 87	N/A		1.5 - 2.9	1.30	N	Regular NON-VOC Controlled RFG - CT, MA, LIS
413	2	NON-VOC RFG 89	N/A		1.5 - 2.9	1.30	N	Mid-grade NON-VOC Controlled RFG - CT, MA, LIS
414	2	NON-VOC RFG 92	N/A		1.5 - 2.9	1.30	N	Premium NON-VOC Controlled RFG - CT, MA, LIS
415	2	NON-VOC RFG 93	N/A		1.5 - 2.9	1.30	N	Premium NON-VOC Controlled RFG - CT, MA, LIS
416	2	NON-VOC RFG 94	N/A		1.5 - 2.9	1.30	N	Premium NON-VOC Controlled RFG - CT, MA, LIS
432		VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
435		VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
436		VOC Ultra (94) RBOB	N/A	N/A	N/A	1.30	N	Ultra VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
442		NON-VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular NON-VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
445		NON-VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium NON-VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
446		NON-VOC Ultra (94) RBOB	N/A	N/A	N/A	1.30	N	Ultra NON-VOC Controlled Region 2 RBOB (10% ETOH) - CT, MA, LIS
601	3	LO-RVP LO-S 86	9.0	N/A	N/A	N/A	N	Subgrade Low RVP, Low Sulfur Gasoline
602	3	LO-RVP LO-S 87	9.0	N/A	N/A	N/A	N	Regular Low RVP, Low Sulfur Gasoline
603	3	LO-RVP LO-S 89	9.0	N/A	N/A	N/A	N	Mid-grade, Low RVP, Low Sulfur Gasoline
604	3	LO-RVP LO-S 92	9.0	N/A	N/A	N/A	N	Premium Low RVP, Low Sulfur Gasoline
605	3	LO-RVP LO-S 93	9.0	N/A	N/A	N/A	N	Premium, Low RVP, Low Sulfur Gasoline
606	3	LO-RVP LO-S 94	9.0	N/A	N/A	N/A	N	Premium, Low RVP, Low Sulfur Gasoline
607	3	LO-RVP LO-S 91	9.0	N/A	N/A	N/A	N	Premium, Low RVP, Low Sulfur Gasoline
608	3	LO-RVP LO-S 84	9.0	N/A	N/A	N/A	N	Subgrade Low RVP, Low Sulfur Gasoline

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

- NOTES:**
- The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited. MMT is permitted in segregated grades 201-228 only. Any gasoline containing more than 0.50 wt. % Dicyclopentadiene will NOT be accepted for shipment.
 - For all RFG and OPRG, the Federal max./min. limits are as follows:
VOC emissions performance 23.4% min.
 - Low Sulfur Gasoline is accepted for shipment on a space available basis only.

<p align="center">RFG = Reformulated Gasoline OPRG = Oxygenate Program Reformulated Gasoline LIS = Long Island System</p>

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - SEGREGATED GRADES (cont'd)

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN VOC %	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
611	3	LO-S 86	N/A	N/A	N/A	N/A	N	Subgrade Low Sulfur Gasoline
612	3	LO-S 87	N/A	N/A	N/A	N/A	N	Regular Low Sulfur Gasoline
613	3	LO-S 89	N/A	N/A	N/A	N/A	N	Mid-grade Low Sulfur Gasoline
614	3	LO-S 92	N/A	N/A	N/A	N/A	N	Premium Low Sulfur Gasoline
615	3	LO-S 93	N/A	N/A	N/A	N/A	N	Premium Low Sulfur Gasoline
616	3	LO-S 94	N/A	N/A	N/A	N/A	N	Premium Low Sulfur Gasoline
617	3	LO-S 91	N/A	N/A	N/A	N/A	N	Premium Low Sulfur Gasoline
618	3	LO-S 84	N/A	N/A	N/A	N/A	N	Subgrade Low Sulfur Gasoline
632		VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS
635		VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS
636		VOC Ultra (94) RBOB	N/A	N/A	N/A	1.30	N	Ultra VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS
642		NON-VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular NON-VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS
645		NON-VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium NON-VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS
646		NON-VOC Ultra (94) RBOB	N/A	N/A	N/A	1.30	N	Ultra NON-VOC Controlled Region 2 RBOB (5.7% ETOH) - CT, MA, LIS

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

- NOTES:**
- The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited. MMT is permitted in segregated grades 201-228 only. Any gasoline containing more than 0.50 wt. % Dicyclopentadiene will NOT be accepted for shipment.
 - For all RFG and OPRG, the Federal max./min. limits are as follows:
VOC emissions performance 23.4% min.
 - Low Sulfur Gasoline is accepted for shipment on a space available basis only.

<p align="center">RFG = Reformulated Gasoline OPRG = Oxygenate Program Reformulated Gasoline LIS = Long Island System</p>

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - FUNGIBLE GRADES

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN VOC %	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
302	3	MTBE-Free LO-RVP CONV 87	9.0		N/A	N/A	N	MTBE-Free Regular Low RVP Conventional Gasoline
305	3	MTBE-Free LO-RVP CONV 93	9.0		N/A	N/A	N	MTBE-Free Premium Low RVP Conventional Gasoline
307	3	MTBE-Free LO-RVP CON 91	9.0		N/A	N/A	N	MTBE-Free 91 Octane Low RVP Conventional Gasoline
308	3	MTBE-Free LO-RVP CON 84	9.0		N/A	N/A	N	MTBE-Free Sub-Octane Low RVP Conventional Gasoline
312	3	MTBE-Free CONV 87	N/A		N/A	N/A	N	MTBE-Free Regular Conventional Gasoline
315	3	MTBE-Free CONV 93	N/A		N/A	N/A	N	MTBE-Free Premium Conventional Gasoline
317	3	MTBE-Free CONV 91	N/A		N/A	N/A	N	MTBE-Free 91 Octane Conventional Gasoline
318	3	MTBE-Free CONV 84	N/A		N/A	N/A	N	MTBE-Free Sub-Octane Conventional Gasoline
322	3	MTBE-Free VOC CONV 87	7.8		N/A	N/A	N	Regular Low RVP MTBE-Free Conventional Gasoline - Pittsburgh
325	3	MTBE-Free VOC CONV 93	7.8		N/A	N/A	N	Premium Low RVP MTBE-Free Conventional Gasoline - Pittsburgh
327	3	MTBE-Free VOC CONV 91	7.8		N/A	N/A	N	91 Octane MTBE-Free Conventional Gasoline - Pittsburgh
328	3	MTBE-Free VOC CONV 84	7.8		N/A	N/A	N	Sub-Octane MTBE-Free Conventional Gasoline - Pittsburgh
332	3	MTBE-Free VOC CONV 87	6.8		N/A	N/A	N	Regular Low RVP MTBE-Free Conventional Gasoline - S.E. Michigan
335	3	MTBE-Free VOC CONV 93	6.8		N/A	N/A	N	Premium Low RVP MTBE-Free Conventional Gasoline - S.E. Michigan
337	3	MTBE-Free VOC CONV 91	6.8		N/A	N/A	N	91 Octane MTBE-Free Conventional Gasoline - S.E. Michigan
338	3	MTBE-Free VOC CONV 84	6.8		N/A	N/A	N	Sub-Octane MTBE-Free Conventional Gasoline - S.E. Michigan
347	3	MTBE-Free 91 Octane CBOB	7.8		N/A	N/A	N	91 Octane MTBE-Free 6.6 RVP CBOB (7.8 RVP 93 Octane with 10% ethanol)
348	3	MTBE-Free 84 Octane CBOB	7.8		N/A	N/A	N	84 Octane MTBE-Free 6.6 RVP CBOB (7.8 RVP 87 Octane with 10% ethanol)
362	3	MTBE-Free LO-RVP CONV 87	9.0		N/A	N/A	N	MTBE-Free Regular Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)
365	3	MTBE-Free LO-RVP CONV 93	9.0		N/A	N/A	N	MTBE-Free Premium Low RVP Conventional Gasoline (For Ethanol Blending In Illinois)

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

NOTES: 1 The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited.

MMT is not permitted in any fungible grades.

LIS = Long Island System

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

2 For all RFG, the Federal max./min. limits must be adhered to.

3 Shipments of this product on the Buckeye Midwest Pipeline System must be oxygenate free. Intentional blending of non-hydrocarbon components is not allowed.

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - FUNGIBLE GRADES (cont'd.)

BASE GASOLINE - NOT FOR SALE TO THE ULTIMATE CONSUMER

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN VOC %	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
502	2	VOC RFG 87	N/A	25.4	1.5 - 2.7	1.30	N	Regular VOC Controlled Region 2 RFG - LIS
503	2	VOC RFG 89	N/A	25.4	1.5 - 2.7	1.30	N	Mid-grade VOC Controlled Region 2 RFG - LIS
505	2	VOC RFG 93	N/A	25.4	1.5 - 2.7	1.30	N	Premium VOC Controlled Region 2 RFG - LIS
512		NON-VOC RFG 87	N/A		1.5 - 2.9	1.30	N	Regular NON-VOC Controlled RFG - LIS
513		NON-VOC RFG 89	N/A		1.5 - 2.9	1.30	N	Mid-grade NON-VOC Controlled RFG - LIS
515		NON-VOC RFG 93	N/A		1.5 - 2.9	1.30	N	Premium NON-VOC Controlled RFG - LIS
532		VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular VOC Controlled Region 2 RBOB (10% ETOH) - LIS and Wood River (Chicago)
535		VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium VOC Controlled Region 2 RBOB (10% ETOH) - LIS and Wood River (Chicago)
542		NON-VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular NON-VOC Controlled Region 1 & 2 RBOB (10% ETOH) - LIS and Wood River
545		NON-VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium NON-VOC Controlled Region 1 & 2 RBOB (10% ETOH) - LIS and Wood River
552		VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular VOC Controlled Region 1 RBOB (10% ETOH) - Wood River (St. Louis)
555		VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium VOC Controlled Region 1 RBOB (10% ETOH) - Wood River (St. Louis)
732		VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular VOC Controlled Region 2 RBOB (5.7% ETOH) - LIS
735		VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium VOC Controlled Region 2 RBOB (5.7% ETOH) - LIS
742		NON-VOC Regular RBOB	N/A	N/A	N/A	1.30	N	Regular NON-VOC Controlled Region 2 RBOB (5.7% ETOH) - LIS
745		NON-VOC Premium RBOB	N/A	N/A	N/A	1.30	N	Premium NON-VOC Controlled Region 2 RBOB (5.7% ETOH) - LIS

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

NOTES: 1 The use of Port Fuel Injector (PFI) and intake valve detergent additives is prohibited.

MMT is not permitted in any fungible grades.

LIS = Long Island System

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

2 For all RFG, the Federal max./min. limits are as follows:

VOC emissions performance 23.4% min.

3 Shipments of this product on the Buckeye Midwest Pipeline System must be oxygenate free. Intentional blending of non-hydrocarbon components is not allowed.

**BUCKEYE PIPE LINE COMPANY
PRODUCT GRADE LISTING**

GASOLINES - BLENDSTOCKS (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	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
008		LO-RVP CONV 84	9.0	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline
009		LO-RVP OFF SPEC	9.0	N/A	N/A	N	Low RVP Off-Spec. Gasoline
018		CONV 84	N/A	N/A	N/A	N	Sub-grade Conventional Gasoline
019		OFF-SPEC	N/A	N/A	N/A	N	Off-Spec Gasoline
040		NATURAL GASO	N/A	N/A	N/A	N	Natural Gasoline
041		PLAT	N/A	N/A	N/A	N	Platformate
042		RAFFINATE	N/A	N/A	N/A	N	Raffinate
043		LCBOB	9.0	N/A	N/A	N	Low RVP CBOB
044		CBOB	N/A	N/A	N/A	N	CBOB Non-VOC

GASOLINES - BLENDSTOCKS & FEEDSTOCKS (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	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
808		LO-RVP CONV 84	9.0	N/A	N/A	N	Sub-grade Low RVP Conventional Gasoline
809		LO-RVP OFF SPEC	9.0	N/A	N/A	N	Low RVP Off-Spec. Gasoline
818		CONV 84	N/A	N/A	N/A	N	Sub-grade Conventional Gasoline
819		OFF-SPEC GASO	N/A	N/A	N/A	N	Off-Spec Gasoline
840		NATURAL GASO	N/A	N/A	N/A	N	Natural Gasoline
841		PLAT	N/A	N/A	N/A	N	Platformate
842		RAFFINATE	N/A	N/A	N/A	N	Raffinate

GASOLINES - OTHER (SEGREGATED)

GRADE NUMBER	NOTES	GRADE ABBREVIATION	MAX RVP (5/1 - 9/15) (psi)	MIN/MAX OXYGEN (wt. %)	MAX BENZENE (vol. %)	MMT (Y/N)	GRADE NAME
080		AVIATION GASO	N/A	N/A	N/A	N	Aviation Gasoline

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)
032		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (Off Road) - DNRLM500	130° F	DNRLM500
050	1,2	ULSK	No	<=.0015%	Ultra Low Sulfur Kero (Off Rd) - DNRLM015	123° F	DNRLM015
051	1,2	ULSD-1	No	<=.0015%	Ultra Low Diesel No. 1 (On Road) - DMV1D015	123° F	DMV1D015
052		1-K/AV KERO	No	<=.04%	Aviation/Kerosene (Off Road) - DNRLM500	123° F	DNRLM500
053		LSD-1/AV KERO	No	<=.04%	Aviation/LSD#1 (On Road) - DMV1D500	123° F	DMV1D500
054	1	1-K KERO (NON-AV)	No	<=.04%	1-K Kerosene (non-aviation) - DNRLM500	123° F	DNRLM500
055	2	ULSK/JET/ULSD-1	No	<=.0015%	Multi-Purpose Fuel (Jet/ULSK/ULSD-1) - DMV1D015	123° F	DMV1D015
056		HSK NRLM (<.5 SUL)	Yes	<=.5%	High Sulfur Kero NRLM - DNRLMHS	130° F	DNRLMHS
060		HS FUEL OIL (<.2 SUL)	Yes	<=.2%	Fuel Oil	130° F	N/A
062		HS FUEL OIL (<.3 SUL)	Yes	<.3%	Fuel Oil - CT, MA	130o F	N/A
063		HS NRLM (<.5 SUL)	Yes	<=.5%	High Sulfur NRLM - DNRLMHS	130° F	DNRLMHS
064		HS FUEL OIL (>.05 SUL)	Yes	>.05%	High Sulfur Fuel Oil	130° F	N/A
070		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (On Road) - DMV2D500	130° F	DMV2D500
071		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (On Road) - DMV2D500	130° F	DMV2D500
090	2	ULSD	No	<=.0015%	Ultra Low Diesel No. 2 (On Road) - DMV2D015	130° F	DMV2D015
094		BONDED ULSD	No	<=.0015%	Bonded Ultra Low Diesel No. 2 (On Road) - DMV2D015	130° F	DMV2D015
095		ULSDP	No	<=.0015%	Premium Ultra Low Diesel No. 2 (On Road) - DMV2D015	130° F	DMV2D015

DISTILLATES - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME	MIN. FLASH POINT	EPA CLASS. (3)
130		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (Off Road) - DNRLM500	130° F	DNRLM500
132		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil Midwest System (Off Road) - DNRLM500	130° F	DNRLM500
150	1,2	ULSK	No	<=.0015%	Ultra Low Sulfur Kero (Off Rd) - DNRLM015	123° F	DNRLM015
151	1,2	ULSD-1	No	<=.0015%	Ultra Low Diesel No. 1 (On Road) - DMV1D015	123° F	DMV1D015
152		1-K/AV KERO	No	<=.04%	Aviation/Kerosene (0.050% Sulfur)	123° F	N/A
153		LSD-1/AV KERO	No	<=.04%	Aviation/LSD#1 (On Road) - DMV1D500	123° F	DMV1D500
155	2	ULSK/JET/ULSD-1	No	<=.0015%	Multi-Purpose Fuel (Jet/ULSK/ULSD-1) - DMV1D015	123° F	DMV1D015
160		HS FUEL OIL (<.2 SUL)	Yes	<=.2%	High Sulfur Fuel Oil (Linden and Boothwyn Origins)	130° F	N/A
161		HS FUEL OIL (<.5 SUL)	Yes	<=.5%	High Sulfur Fuel Oil	130° F	N/A
162		HS FUEL OIL (<.5 SUL)	Yes	<=.5%	High Sulfur Fuel Oil	130° F	N/A
163		HS NRLM (<.5 SUL)	Yes	<=.5%	High Sulfur NRLM - DNRLMHS	130° F	DNRLMHS
170		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (On Road) - DMV2D500	130° F	DMV2D500
172		LO SUL DSL	No	<=.042%	Diesel/Fuel Oil (Midwest System) (On Road) - DMV2D500	130° F	DMV2D500
190	2	ULSD	No	<=.0015%	Ultra Low Diesel No. 2 (On Road) - DMV2D015	130° F	DMV2D015

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)
078		LO SUL RFG TRX	N/A	N/A	Low Sulfur RFG Transmix
079		LO SUL LPG TRX	N/A	N/A	Low Sulfur LPG Transmix

- 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**

TURBINE FUEL - SEGREGATED GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME	MIN. FLASH POINT *
081		JP-8 TURB	No		JP-8 Turbine Fuel - Military	108° F
082		AV KERO	No		Aviation Kerosene	108° F
084		BONDED TURBINE	No		Bonded Turbine Fuel	108° F

TURBINE FUEL - FUNGIBLE GRADES

GRADE NUMBER	NOTES	GRADE ABBREVIATION	DYED	% WT. SULFUR	GRADE NAME	MIN. FLASH POINT *	D & T CODE (3)
152	1	1-K/AV KERO	No	<=.04%	Aviation/Kerosene (Off Road) - DNRLM500	108° F	DNRLM500
153	1	LSD-1/AV KERO	No	<=.04%	Aviation/LSD#1 (On Road) - DMV1D500	108° F	DMV1D500
155	2	ULSK/JET/ULSD-1	No	<=.0015%	Multi-Purpose Fuel (Jet/ULSK/ULSD-1) - DMV1D015	123° F	DMV1D015
182		AV KERO	No	<=.3%	Aviation Kerosene	108° F	N/A

- 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	NOTES	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	NOTES	GRADE ABBREVIATION	GRADE NAME
885		BUTANE/BUTYLENE	Butane - Butylene
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	NOTES	GRADE ABBREVIATION	GRADE NAME
888		PROPANE	Propane

LIQUIFIED PETROLEUM GASES (LPG'S) - FUNGIBLE

(Not used in Gasoline Blending)

GRADE NUMBER	NOTES	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	NOTES	GRADE ABBREVIATION	GRADE NAME
866		LMD	Light Middle Distillate
867		HMD	Heavy Middle Distillate
868		LCCO	Light Cat Cycle Oil
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	NOTES	GRADE ABBREVIATION	GRADE NAME
045		TOLUENE	Toluene
091		NAPHTHA	Naphtha
092		ALKYLATE	Alkylate
093		MTBE	Methyl Tertiary Butyl Ether
096		LT STR/RUN GASO	Light Straight Run Gasoline
097		LIGHT REFORMATE	Light Reformate
098		TOTAL REFORMATE	Total Reformate
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	NOTES	GRADE ABBREVIATION	GRADE NAME
845		TOLUENE	Toluene
891		NAPHTHA	Naphtha
892		ALKYLATE	Alkylate
893		MTBE	Methyl Tertiary Butyl Ether
896		LT STR/RUN GASO	Light Straight Run Gasoline
897		LIGHT REFORMATE	Light Reformate
898		TOTAL REFORMATE	Total Reformate
899		HEAVY REFORMATE	Heavy Reformate