CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0660

					0660
					20260402-059
					32988
					AVERAGE
					4/2/26 11:00 AM
					Reviewed
ANTIKNOCK INDEX (R+M/2)	ANTIKNOCK INDEX (R+M/2)	ON			91.6
ASTM D 1319 OLEFINS AND AROMATICS	OLEFINS AND AROMATICS	%v		45.0	31.1
ASTM D 381 GUM (EXISTENT)	EXISTENT GUM	mg/100mL		4	<0.5
ASTM D 6304 WATER CONTENT	WATER CONTENT	mg/Kg			247
ASTM D 130 COPPER STRIP 3 HR/50°C	COPPER STRIP 3 HR/50°C		2A;2B;2C;		1A
ASTM D 1319 FLOURESENT INDICATOR	AROMATIC	%v		35.0	24.1
	HYDROCARBON TYPES:				–
	OLEFINS	%v		18.0	7
	SATURATES	%v			68.9
ASTM D 2699 KNOCK RATING RESEARCH	F-1 RESEARCH METHOD	ON	95.0		96.1
ASTM D 2700 KNOCK RATING MOTOR METHOD	F-2 MOTOR METHOD	ON	85.0		87.0
ASTM D 3227 MERCAPTAN SULPHUR %m	MERCAPTAN SULPHUR	%m		0.0015	<0.0003
ASTM D 3237 LEAD CONTENT MG/L	LEAD	mg/L		5	<0.02
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				60.8
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7357
		kg/m3	720.0	775.0	735.7
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7359
ASTM D 4952 DOCTOR TEST	DOCTOR TEST		Positive		Negative
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.57
ASTM D 525 INDUCTION PERIOD.	INDUCTION PERIOD	min	360		>360
ASTM D 5453 SULPHUR	SULPHUR	mg/Kg		30	8.3
ASTM D 86 DISTILLATION	10% EVAPORATED TO	°C			51.7
	10% RECOVERED AT	°C	40	70	52.8
	50% EVAPORATED TO	°C			87.7
	50% RECOVERED AT	°C	80	115	89.9
	90% EVAPORATED TO	°C			147.8

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0660

					0660
					20260402-059
					32988
					AVERAGE
					4/2/26 11:00 AM
					Reviewed
ASTM D 86 DISTILLATION	90% RECOVERED AT	°C		180	151.1
	EVAPORATED TO 70°C	%v			33.0
	FINAL BOILING POINT	°C		215	190.7
	INITIAL BOILING POINT	°C	30		34.1
	LOSS	%v			1.5
	RESIDUE	%v		2	1.0
ASTM D-3231 PHOSPHOROUS	PHOSPHORUS	mg/L		1	<0.2
ODOUR INTERN	ODOUR		Non-		Marketable
VISUAL - APPEARANCE	APPEARANCE		Fail		Pass

					0660
					20260402-061
					32988
					MID
					4/2/26 11:00 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				60.8
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7357
		kg/m3	720.0	775.0	735.7
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7359
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.58

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0660

					0660
					20260402-062
					32988
					OUTLET
					4/2/26 12:00 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				60.8
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7357
		kg/m3	720.0	775.0	735.7
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7359
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.6

					0660
					20260402-060
					32988
					TOP
					4/2/26 11:00 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				60.8
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7357
		kg/m3	720.0	775.0	735.7
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7359
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.55

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0670

					0670
					20260307-046
					32988
					AVERAGE
					3/7/26 9:52 AM
					Reviewed
ANTIKNOCK INDEX (R+M/2)	ANTIKNOCK INDEX (R+M/2)	ON			90.4
ASTM D 1319 OLEFINS AND AROMATICS	OLEFINS AND AROMATICS	%v		45.0	33.5
ASTM D 381 GUM (EXISTENT)	EXISTENT GUM	mg/100mL		4	0.5
ASTM D 6304 WATER CONTENT	WATER CONTENT	mg/Kg			276
ASTM D 130 COPPER STRIP 3 HR/50°C	COPPER STRIP 3 HR/50°C		2A;2B;2C;		1A
ASTM D 1319 FLOURESENT INDICATOR	AROMATIC	%v		35.0	24.6
	HYDROCARBON TYPES:				
	OLEFINS	%v		18.0	8.9
	SATURATES	%v			66.5
ASTM D 2699 KNOCK RATING RESEARCH	F-1 RESEARCH METHOD	ON	95.0		95.5
ASTM D 2700 KNOCK RATING MOTOR METHOD	F-2 MOTOR METHOD	ON	85.0		85.3
ASTM D 3227 MERCAPTAN SULPHUR %m	MERCAPTAN SULPHUR	%m		0.0015	0.0001
ASTM D 3237 LEAD CONTENT MG/L	LEAD	mg/L		5	<0.02
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				58.9
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7428
		kg/m3	720.0	775.0	742.8
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7431
ASTM D 4952 DOCTOR TEST	DOCTOR TEST		Positive		Negative
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.31
ASTM D 525 INDUCTION PERIOD.	INDUCTION PERIOD	min	360		>360
ASTM D 5453 SULPHUR	SULPHUR	mg/Kg		30	8.1
ASTM D 86 DISTILLATION	10% EVAPORATED TO	°C			54.1
	10% RECOVERED AT	°C	40	70	55.8
	50% EVAPORATED TO	°C			89.9
	50% RECOVERED AT	°C	80	115	91.8
	90% EVAPORATED TO	°C			156.4

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0670

					0670
					20260307-046
					32988
					AVERAGE
					3/7/26 9:52 AM
					Reviewed
ASTM D 86 DISTILLATION	90% RECOVERED AT	°C		180	162.1
	EVAPORATED TO 70°C	%v			27.5
	FINAL BOILING POINT	°C		215	189.5
	INITIAL BOILING POINT	°C	30		33.8
	LOSS	%v			1.7
	RESIDUE	%v		2	1.0
ASTM D-3231 PHOSPHOROUS	PHOSPHORUS	mg/L		1	<0.2
ODOUR INTERN	ODOUR		Non-		Marketable
VISUAL - APPEARANCE	APPEARANCE		Fail		CLEAR AND BRIGHT

					0670
					20260307-048
					32988
					MID
					3/7/26 9:54 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				58.9
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7428
		kg/m3	720.0	775.0	742.8
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7431
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.34

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0670

					0670
					20260307-049
					32988
					OUTLET
					3/7/26 9:54 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				58.9
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7428
		kg/m3	720.0	775.0	742.8
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7431
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.29

					0670
					20260307-047
					32988
					TOP
					3/7/26 9:54 AM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				58.9
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7428
		kg/m3	720.0	775.0	742.8
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7431
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.31

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0674

					0674
					20260326-065
					32988
					AVERAGE
					3/26/26 12:23 PM
					Reviewed
ANTIKNOCK INDEX (R+M/2)	ANTIKNOCK INDEX (R+M/2)	ON			9.9
ASTM D 1319 OLEFINS AND AROMATICS	OLEFINS AND AROMATICS	%v		45.0	25.7
ASTM D 381 GUM (EXISTENT)	EXISTENT GUM	mg/100mL		4	<0.5
ASTM D 6304 WATER CONTENT	WATER CONTENT	mg/Kg			463
ASTM D 130 COPPER STRIP 3 HR/50°C	COPPER STRIP 3 HR/50°C		2A;2B;2C;		1A
ASTM D 1319 FLOURESENT INDICATOR	AROMATIC	%v		35.0	21.5
	HYDROCARBON TYPES:				
	OLEFINS	%v		18.0	4.2
	SATURATES	%v			60.9
ASTM D 2699 KNOCK RATING RESEARCH	F-1 RESEARCH METHOD	ON	95.0		95.8
ASTM D 2700 KNOCK RATING MOTOR METHOD	F-2 MOTOR METHOD	ON	85.0		86.0
ASTM D 3227 MERCAPTAN SULPHUR %m	MERCAPTAN SULPHUR	%m		0.0015	<0.0003
ASTM D 3237 LEAD CONTENT MG/L	LEAD	mg/L		5	<0.02
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				59.2
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7417
		kg/m3	720.0	775.0	741.7
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.742
ASTM D 4952 DOCTOR TEST	DOCTOR TEST		Positive		Negative
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.43
ASTM D 525 INDUCTION PERIOD.	INDUCTION PERIOD	min	360		>360
ASTM D 5453 SULPHUR	SULPHUR	mg/Kg		30	9.3
ASTM D 86 DISTILLATION	10% EVAPORATED TO	°C			54.1
	10% RECOVERED AT	°C	40	70	54.7
	50% EVAPORATED TO	°C			88.6
	50% RECOVERED AT	°C	80	115	89.3
	90% EVAPORATED TO	°C			152.8

CRU B.V.
CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0674

					0674
					20260326-065
					32988
					AVERAGE
					3/26/26 12:23 PM
					Reviewed
ASTM D 86 DISTILLATION	90% RECOVERED AT	°C		180	154.8
	EVAPORATED TO 70°C	%v			30.1
	FINAL BOILING POINT	°C		215	189.7
	INITIAL BOILING POINT	°C	30		34.2
	LOSS	%v			0.5
	RESIDUE	%v		2	1.0
ASTM D-3231 PHOSPHOROUS	PHOSPHORUS	mg/L		1	<0.2
ODOUR INTERN	ODOUR		Non-		Marketable
VISUAL - APPEARANCE	APPEARANCE		Fail		Pass

					0674
					20260326-067
					32988
					MID
					3/26/26 12:24 PM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				59.3
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7415
		kg/m3	720.0	775.0	741.5
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7418
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.45

CURAÇAO REFINERY UTILITIES B.V.

Shipping Tanks Report

EMISSION DATE: 04/10/2026

Tank name/number: 0674

					0674
					20260326-068
					32988
					OUTLET
					3/26/26 12:24 PM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				59.3
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7415
		kg/m3	720.0	775.0	741.5
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7418
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.44

					0674
					20260326-066
					32988
					TOP
					3/26/26 12:24 PM
					Reviewed
ASTM D 4052 API GRAVITY AT 60°F	API GRAVITY AT 60°F				59.2
ASTM D 4052 DENSITY 15°C	DENSITY AT 15°C	kg/L			0.7416
		kg/m3	720.0	775.0	741.6
ASTM D 4052 SPECIFIC GRAVITY 60/60°F	SPECIFIC GRAVITY 60/60°F				0.7419
ASTM D 5191 VAPOUR PRESSURE	VAPOUR PRESSURE (DVPE)	psi		8.7	8.4