

Phase 1- Site Inspections for



Region 1 Initial Draft Report

May 3, 2018

Document Version 2.0

Michael Peltzner



Suite 400- 909, 17th Avenue SW Calgary, Alberta T2T 0A4

Phone: 403.245.4152 | Fax: 307.382.3327

www.oasisemission.com

Table of Contents

Site Inspection Data Table

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN - NORTH

Engine #28- WAUKESHA L5774LT ESM (C-18378/1) [MH:C-200]

Engine #29- WAUKESHA L5774LT ESM (C-18379/1) [MH:C-300]

Engine #30- WAUKESHA L5774LT ESM (C-18590/1) [MH:C-350]

Engine #31- CATERPILLAR 3516LE (WPW00978) [MH:C-450]

Engine #32- WAUKESHA L5774LT ESM (C-15334/1) [MH:C-250, D-302]

Facility 2- GALLOWAY 12-05-054-20W5 GAS PLANT

Engine #33- CATERPILLAR 3516-SITA (3RC01049) [GP:K-600, CAT]

Engine #34- CATERPILLAR 3516-SITA (3RC01068) [GP:K-620, CAT]

Facility 3- GALLOWAY 08-29-053-20W5 BOOSTER COMP

Engine #35- CAT G3512TALE AFRC (7NJ01328) [8-29:COMP, CE-1]

Facility 4- ANSELL PLANT #2 07-27-051-19W5

Engine #36- WAUKESHA L7042GL (C-16285/1) [A2:Z-400]

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Engine #37- CATERPILLAR G3516LE (WPT01569) [RC:K-200, E-200]

Engine #38- CATERPILLAR G3516LE (WPT01573) [RC:K-220, E-220]

Engine #39- WAUKESHA L5774LT (5283704079) [RC:K-240, E-240]

Engine #40- WAUKESHA L5774LT (5283704077) [RC:K-260, E-260]

Site Inspection Data Table

		Ports			Stack Access				Operational				
		Tuning Ports	Exhaust Ports	Fuel Ports	Catwalk	Ladder	Manlift	Manlift with Boom	Stable RPM	Operational AFRC	Digital Ignition	Steady Cyl Temps	Near Fully Loaded
	Engines in Region 1												
MINEHEAD 03-06-049-18W5 COMP STN - NORTH													
#28	WAUKESHA L5774LT ESM (C-18378/1) [MH:C-200]												
#29	WAUKESHA L5774LT ESM (C-18379/1) [MH:C-300]												
#30	WAUKESHA L5774LT ESM (C-18590/1) [MH:C-350]												
#31	CATERPILLAR 3516LE (WPW00978) [MH:C-450]												
#32	WAUKESHA L5774LT ESM (C-15334/1) [MH:C-250, D-302]												
GALLOWAY 12-05-054-20W5 GAS PLANT													
#33	CATERPILLAR 3516-SITA (3RC01049) [GP:K-600, CAT]												
#34	CATERPILLAR 3516-SITA (3RC01068) [GP:K-620, CAT]												
GALLOWAY 08-29-053-20W5 BOOSTER COMP													
#35	CATERPILLAR G3512TALE AFRC (7NJ01328) [8-29:COMP, CE-1]												
ANSELL PLANT #2 07-27-051-19W5													
#36	WAUKESHA L7042GL (C-16285/1) [A2:Z-400]												
#37	CATERPILLAR G3516LE (WPT01569) [RC:K-200, E-200]												
#38	CATERPILLAR G3516LE (WPT01573) [RC:K-220, E-220]												
#39	WAUKESHA L5774LT (5283704079) [RC:K-240, E-240]												
#40	WAUKESHA L5774LT (5283704077) [RC:K-260, E-260]												

- Ready for Emission Testing
- Could Negatively Affect Emissions Testing
- Undetermined (not running)

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN - NORTH

Facility Overview

Number of engines for MSAPR Testing: 5

Type of equipment required to access stacks: Boom with Manlift

Estimated Testing Days: 3

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN - NORTH

Engine #28- WAUKESHA L5774LT ESM (C-18378/1) [MH:C-200]

Inspection Date: 4/26/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 28

Unit Tag Number: MH:C-200

SAP #: 66178590

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT ESM

Engine Serial#: C-18378/1

Engine Rated Power Output: 1280 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 14"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☒ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: N/A

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN - NORTH

Engine #29- WAUKESHA L5774LT ESM (C-18379/1) [MH:C-300]

Inspection Date: 4/26/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 29

Unit Tag Number: MH:C-300

SAP #: 66178601

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT ESM

Engine Serial#: C-18379/1

Engine Rated Power Output: 1286 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter:

Sample Line Length Required:

☐ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: N/A

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN - NORTH

Engine #30- WAUKESHA L5774LT ESM (C-18590/1) [MH:C-350]

Inspection Date: 4/26/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 30

Unit Tag Number: MH:C-350

SAP #: 66178728

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT ESM

Engine Serial#: C-18590/1

Engine Rated Power Output: 1280 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 14"

Sample Line Length Required: 75'

☐ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☒ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: N/A

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN – NORTH

Engine #31- CATERPILLAR 3516LE (WPW00978) [MH:C-450]

Inspection Date: 4/26/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 31

Unit Tag Number: MH:C-450

SAP #: 66200521

Engine Manufacturer: CATERPILLAR

Engine Model: 3516LE

Engine Serial#: WPW00978

Engine Rated Power Output: 1150 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 16

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 12"

Sample Line Length Required: 75'

☐ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single ☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: N/A

☒ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 1- MINEHEAD 03-06-049-18W5 COMP STN – NORTH

Engine #32- WAUKESHA L5774LT ESM (C-15334/1) [MH:C-250, D-302]

Inspection Date: 4/26/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 32

Unit Tag Number: MH:C-250, D-302

SAP #: 66146077

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT ESM

Engine Serial#: C-15334/1

Engine Rated Power Output: 1280 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 4

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 15"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☒ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 1.5"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: N/A

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 2- GALLOWAY 12-05-054-20W5 GAS PLANT

Facility Overview

Number of engines for MSAPR Testing: 2

Type of equipment required to access stacks: Manlift with Boom

Estimated Testing Days: 1

Facility 2- GALLOWAY 12-05-054-20W5 GAS PLANT

Engine #33- CATERPILLAR 3516-SITA (3RC01049) [GP:K-600, CAT]

Inspection Date: 4/24/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 33

Unit Tag Number: GP:K-600, CAT

SAP #: 66043848

Engine Manufacturer: CATERPILLAR

Engine Model: 3516-SITA

Engine Serial#: 3RC01049

Engine Rated Power Output: 1150 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 16

Combustion Design: RICH

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 12"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☒ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☒ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 1.5"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 3 RPM

☐ Working AFRC

☒ Digital Ignition

☒ Cyl Temp

☐ Full Load

Facility 2- GALLOWAY 12-05-054-20W5 GAS PLANT

Engine #34- CATERPILLAR 3516-SITA (3RC01068) [GP:K-620, CAT]

Inspection Date: 4/24/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 34

Unit Tag Number: GP:K-620, CAT

SAP #: 66043854

Engine Manufacturer: CATERPILLAR

Engine Model: 3516-SITA

Engine Serial#: 3RC01068

Engine Rated Power Output: 1150 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 16

Combustion Design: RICH

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 12"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☒ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☒ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 1.5"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 3 RPM

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load

Facility 3- GALLOWAY 08-29-053-20W5 BOOSTER COMP

Facility Overview

Number of engines for MSAPR Testing: 1

Type of equipment required to access stacks: Manlift with Boom

Estimated Testing Days: 1

Facility 3- GALLOWAY 08-29-053-20W5 BOOSTER COMP

Engine #35- CAT G3512TALE AFRC (7NJ01328) [8-29:COMP, CE-1]

Inspection Date: 4/24/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 35
Unit Tag Number: 8-29:COMP, CE-1
SAP #: 66141801
Engine Manufacturer: CATERPILLAR
Engine Model: G3512TALE AFRC
Engine Serial#: 7NJ01328

Engine Rated Power Output: 850 Bhp
Engine Rated Speed: 1200 RPM
Combustion Cylinders: 12
Combustion Design: LEAN
Power Cycle: 4
Cylinder Configuration: V
Aspiration Type: TURBO

Engine Tuning Ports

- ☒ Post Turbo Exhaust Port
☐ Drop Down Lines Available
Condition: ☐ Good ☐ Fair ☐ Poor
☐ Drop Down Lines Inside Building

Exhaust Testing Ports

- Exhaust Pipe Diameter: 12"
Sample Line Length Required: 75'
☒ Stack Height Sufficient for Method 2
☐ Exhaust Stack Testing Sample Ports Installed
Configuration: ☐ Single ☐ Double at 90°
Accessible by:
☐ Catwalk
☐ Ladder
☐ Manlift
☒ Manlift with Boom
☒ Crankcase Vent Line Introduced into Exhaust Stack
Relation to Sample Port: ☐ Upstream ☐ Downstream
☒ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

- Fuel Pipe Diameter: 2"
☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

- ☒ Stable Speed: 2 RPM ☒ Working AFRC ☒ Digital Ignition ☒ Cyl Temp ☐ Full Load

Facility 4- ANSELL PLANT #2 07-27-051-19W5

Facility Overview

Number of engines for MSAPR Testing: 1

Type of equipment required to access stacks: Manlift with Boom

Estimated Testing Days: 1

Facility 4- ANSELL PLANT #2 07-27-051-19W5

Engine #36- WAUKESHA L7042GL (C-16285/1) [A2:Z-400]

Inspection Date: 4/24/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 36

Unit Tag Number A2:Z-400

SAP #: 66155880

Engine Manufacturer: WAUKESHA

Engine Model: L7042GL

Engine Serial#: C-16285/1

Engine Rated Power Output: 1431 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 14"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter:

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 2 RPM

☒ Working AFRC

☒ Digital Ignition

☒ Cyl Temp

☐ Full Load

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Facility Overview

Number of engines for MSAPR Testing: 4

Type of equipment required to access stacks: Manlift with Boom

Estimated Testing Days: 2

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Engine #37- CATERPILLAR G3516LE (WPT01569) [RC:K-200, E-200]

Inspection Date: 4/25/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 37

Unit Tag Number: RC:K-200, E-200

SAP #: 66230048

Engine Manufacturer: CATERPILLAR

Engine Model: G3516LE

Engine Serial#: WPT01569

Engine Rated Power Output: 1150 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 16

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter:

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 4 RPM

☒ Working AFRC

☒ Digital Ignition

☒ Cyl Temp

☐ Full Load

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Engine #38- CATERPILLAR G3516LE (WPT01573) [RC:K-220, E-220]

Inspection Date: 4/25/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 38

Unit Tag Number: RC:K-220, E-220

SAP #: 66230107

Engine Manufacturer: CATERPILLAR

Engine Model: G3516LE

Engine Serial#: WPT01573

Engine Rated Power Output: 1150 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 16

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☒ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter:

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☐ Stable Speed: 15 RPM

☒ Working AFRC

☒ Digital Ignition

☒ Cyl Temp

☐ Full Load

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Engine #39- WAUKESHA L5774LT (5283704079) [RC:K-240, E-240]

Inspection Date: 4/25/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 39

Unit Tag Number: RC:K-240, E-240

SAP #: 1000007622

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT

Engine Serial#: 5283704079

Engine Rated Power Output: 1280 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter: 14"

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter:

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 2 RPM

☐ Working AFRC

☒ Digital Ignition

☒ Cyl Temp

☐ Full Load

Facility 5- RAVEN CREEK 02-20-050-18W5 COMP STN

Engine #40- WAUKESHA L5774LT (5283704077) [RC:K-260, E-260]

Inspection Date: 4/25/2018

Inspected by: Adrian Hunter

Engine Details

Testing ID#: 40

Unit Tag Number: RC:K-260, E-260

SAP #: 1000007795

Engine Manufacturer: WAUKESHA

Engine Model: L5774LT

Engine Serial#: 5283704077

Engine Rated Power Output: 1280 Bhp

Engine Rated Speed: 1200 RPM

Combustion Cylinders: 12

Combustion Design: LEAN

Power Cycle: 4

Cylinder Configuration: V

Aspiration Type: TURBO

Engine Tuning Ports

☐ Post Turbo Exhaust Port

☐ Drop Down Lines Available

Condition: ☐ Good

☐ Fair

☐ Poor

☐ Drop Down Lines Inside Building

Exhaust Testing Ports

Exhaust Pipe Diameter:

Sample Line Length Required: 75'

☒ Stack Height Sufficient for Method 2

☐ Exhaust Stack Testing Sample Ports Installed

Configuration: ☐ Single

☐ Double at 90°

Accessible by:

☐ Catwalk

☐ Ladder

☐ Manlift

☒ Manlift with Boom

☐ Crankcase Vent Line Introduced into Exhaust Stack

Relation to Sample Port: ☐ Upstream ☐ Downstream

☐ Crankcase Vent Line Easily Disconnected

Fuel Meter Run Ports

Fuel Pipe Diameter: 2"

☐ Valves and T's installed for Method 19 (required for GHG protocol testing & single exhaust port)

Stable Operating Conditions

☒ Stable Speed: 3 RPM

☐ Working AFRC

☒ Digital Ignition

☐ Cyl Temp

☐ Full Load