

## Chongqing Yihu Engine Machinery Co., Ltd.

EXECUTIVE ORDER U-U-274-0004 New Off-Road Small Spark-Ignition Equipment

Pursuant to the authority vested in California Air Resources Board by the Health and Safety Code, Division 26, Part 5, Chapters 1 and 2; and

Pursuant to the authority vested in the undersigned by Health and Safety Code Sections 39515 and 39516 and Executive Order G-19-095;

IT IS ORDERED AND RESOLVED: That the following equipment produced by the manufacturer is certified as described below. Production equipment shall be in all material respects the same as those for which certification is granted.

|                          |                                      | ENGINE                        | DESCRIPTION                                     |                       |   |  |  |  |  |  |
|--------------------------|--------------------------------------|-------------------------------|---|-----------------------|---|--|--|--|--|--|
|                          | MANUFACTURER                         | ENGINE FAN                    | MILY (E.O. NUMBER)                              | ENGINE<br>SIZE (cc)   | FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)                                      |  |  |  |  |  |
| Chongq                   | ing Yihu Engine Machinery Co<br>Ltd. | KCYES.212                     | 1EM (U-U-274-0003)                              | 196, 212              | Gasoline  |  |  |  |  |  |
| S.A. = See<br>TBC = To B | Attachment<br>e Certified            | EQUIPMEN                      | NT DESCRIPTION                                  |                       |   |  |  |  |  |  |
| MODEL<br>YEAR            | EVAPORATIVE FAMILY                   | FUEL TANK SIZE<br>(liters)    | EC  | EQUIPMENT APPLICATION |   |  |  |  |  |  |
| 2019                     | CM                                   | See Attachment                | Pump, Generator Set, Tiller, Brushcutter, Other |                       |   |  |  |  |  |  |
| EMISSION                 | CONTROL SYSTEMS (ECS)                | ENGINE and/or EQUIPMENT MODEL |   |                       |   |  |  |  |  |  |
|                          | Canister/Metal                       | See Attachment                |   |                       |   |  |  |  |  |  |
| Code:- Meta              |                                      | ed=C Selar=L Nylon=N A        | cetal=A Other=O B. EVAPOI                       | RATIVE FAMILY         | other=O 2. <u>Tank Barrier Type and</u> 2-Letter CODE (Venting Control Codes be or code. Do not use abbreviations for |  |  |  |  |  |

The following are the evaporative emission standards (Title 13, California Code of Regulations, 13 CCR Section 2754(a) or 2754(b), as applicable), and certification levels in grams per day (g/day) or grams per square meter per day (g/m²/day) or grams per liter (g/l) for this evaporative family or the component Executive Order, as applicable. The running loss emissions control has been demonstrated by the manufacturer.

| *=not applicable |  | DE       | SIGN BASED                             |  |  |  |  |
|------------------|--|----------|--|--|--|--|--|
|                  | OSE PERMEATION ams ROG/m²/day)         |          | ANK PERMEATION ams ROG/m²/day)         | CARBON CANISTER BUTANE WORKING CAPACITY (grams HC/liter) |  |  |  |
| STANDARD         | CERTIFICATION LEVEL OR EXECUTIVE ORDER | STANDARD | CERTIFICATION LEVEL OR EXECUTIVE ORDER | STANDARD   | CERTIFICATION LEVEL OR EXECUTIVE ORDER |  |  |
| 15               | Q-17-043                               | 1.5      | Q-17-009A, Q-17-022A                   | 1.0, 1.4   | See Attachment                         |  |  |

BE IT FURTHER RESOLVED: That for the listed equipment, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2759 (labeling) and 13 CCR Sections 2760 and 2764 (emission control system warranty).

Equipment certified under this Executive Order must conform to all applicable California emission regulations.

This Executive Order is only granted to the engine family and model-year listed above. Equipment in this family that is produced for any other model-year is not covered by this Executive Order.

Executed at El Monte, California on this

day of August 2019.

Allen Lyons, Chief

**Emissions Certification and Compliance Division** 

7000-1/2- N-N

## Small Off-Road Evaporative Certification Database Form (Supplementary Information)

## MODEL SUMMARY

|      |   |  | ,                                  |                        |  | тг                     |                                    |                            |  |              |                      | —Т                     |                            |          | —Т                     |                                    |  |  |
|------|---|--|------------------------------------|------------------------|--|------------------------|------------------------------------|----------------------------|--|--------------|----------------------|------------------------|----------------------------|----------|------------------------|------------------------------------|--|--|
| S14. | Carbon<br>Canister or<br>Other                        | Venting<br>Control<br>Executive<br>Order | C-U-06-003<br>Q-19-040<br>Q-19-026 | C-U-06-003<br>Q-19-040 | C-U-06-005A<br>C-U-06-007A<br>Q-19-029<br>Q-19-042 | C-U-06-003<br>Q-19-040 | C-U-06-003<br>Q-19-040<br>Q-19-026 | C-U-06-005A<br>C-U-06-007A | Q-19-029<br>Q-19-042   | C-U-06-003   | Q-19-040<br>Q-19-026 | C-U-06-003<br>Q-19-040 | C-U-06-005A<br>C-U-06-007A | Q-19-042 | C-U-06-003<br>Q-19-040 | C-U-06-003<br>Q-19-040<br>Q-19-026 | C-U-06-005A<br>C-U-06-007A<br>Q-19-029<br>Q-19-042 |  |
| S13. | Fuel Line<br>Executive<br>Order                       |  |                                    | Q-17-043               |  |                        |                                    |                            |  |              |                      | Q-17-043               |                            |          |                        |                                    |  |  |
| S12. | Fuel<br>Tank<br>Executiv<br>e Order                   |  |                                    | Q-17-009A              |  |                        |                                    |                            |  |              | 47,0004              |                        | Q-17-022A                  |          |                        |                                    |  |  |
| S11. | Exhaust Family  |  |                                    | KCYES.2121EM           |  |                        |                                    |                            |  |              | KCYES.2121EM         |                        |                            |          |                        |                                    |  |  |
| S10. | Fuel Line<br>Inside<br>Diameter<br>(mm)               |  |                                    | 4                      |  |                        |                                    |                            |  |              | <                    |                        |                            | 4        |                        |                                    |  |  |
| .68  | Nominal<br>Fuel Line<br>Length <sup>(1)</sup><br>(mm) |  |                                    | 165-225                |  |                        |                                    |                            |  |              |                      |                        |                            | 165-225  |                        |                                    |  |  |
| S8.  | Fuel<br>Line<br>Type                                  |  |                                    | Multi-                 |  |                        |                                    |                            |  |              |                      |                        | Multi-<br>laver            | ,        | -                      |                                    |  |  |
| S7.  | Fuel<br>Tank<br>Internal                              | Surface<br>Area<br>(m²)                  | 0.14                               | 0.17                   | 0.50   | 0.16                   | 0.14                               |                            | 0.481  |              | 0.14                 | 0.17                   | 0.50                       | 0.48     | 0.16                   | 0.14                               | 0.481  |  |
| S6.  | Fuel Tank Vol.<br>(Liters)                            | Total                                    | 3.6                                | 3.73                   | 16   | 3.7                    | 2.7                                |                            | 15   |              | 3.6                  | 3.73                   | 16                         | 17       | 3.7                    | 2.7                                | 15   |  |
| O,   | Fuel T<br>(Li   | Nomi                                     | 3.5                                | 3.65                   | 15.5   | 3.6                    | 2.6                                |                            | 15   |              | 3.5                  | 3.65                   | 15.5                       | 16.7     | 3.6                    | 2.6                                | 15   |  |
| S5.  | Fuel<br>System<br>(Fl or                              | CARB)                                    |                                    | CARB                   |  |                        |                                    |                            |  | CARB         |                      |                        |                            |          |                        |                                    |  |  |
| S4.  | Engine<br>Class<br>(I or                              | <u> </u>                                 |                                    | _                      |  |                        |                                    |                            | ,  | <del>-</del> |                      |                        |                            |          |                        |                                    |  |  |
|      | check<br>iate)  | 50-<br>State                             |                                    | *                      |  |                        |                                    |                            |  |              |                      | *                      |                            |          |                        |                                    |  |  |
| S3.  | Sales Codes (check<br>all appropriate)                | 49-<br>State                             |                                    |                        |  |                        |                                    |                            |  |              |                      |                        |                            |          |                        |                                    |  |  |
|      |   | OAP                                      | G C                                | -                      |  |                        |                                    |                            |  |              |                      |                        |                            |          |                        |                                    |  |  |
| .S2. | Engine or<br>Equipment<br>Model                       |  |                                    | YH170F                 |  |                        |                                    |                            | YH2500<br>YH3000<br>YH3600<br>YHQGZ50-K<br>YHQGZ80-K<br>YHXF50-K<br>YHWS80-K<br>YHWS80-K |              |                      |                        |                            |          |                        |                                    |  |  |
| SI.  | Worst<br>Case<br>(Check                               | (a)                                      |                                    | ×                      |  |                        |                                    |                            | T  |              |                      |                        |                            |          |                        |                                    |  |  |

(1) The nominal fuel line lengths can be grouped into increment of  $\pm 3$  inches (76 mm)