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 engine and emission control systems produced by the manufacturer are certified for use in small off-road equipment. Production engines shall be in all material respects the same as those for which certification is granted.

MODEL YEAR ENGIN		NE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS		FUEL TYPE (CNG/LNG=compressed/liquefied natural gas LPG=liquefied petroleum gas)		
2022	2 NCPPS.0805GA		80	4-stroke, 50-80 cc, inclusive		Gasoline, Gasoline-LPG dual-fuel		
DURABILITY HOURS		SPECIAL FEATURES & EMISSION CONTROL SYSTEMS			TYPICAL EQUIPMENT APPLICATION			
125		EM			Compressor, Pump, Pressure Washer, Generator Set			
ENGINE CODES/MODELS (rated power in kilowatt, kW)		See Attachment						
ABBREVIATIONS: EM=engine modification TWC/OC=three-way/oxidizing catalyst WUTWC/WUOC=warm-up TWC/OC O2S=oxygen sensor HO2S=heated O2S								

EGR=exhaust gas recirculation AIR=secondary air injection PAIR=pulsed AIR MFI=multi port fuel injection SFI=sequential MFI TBI=th injection TC/SC=turbo/super charger CAC=charge air cooler 2(prefix)=parallel (2)(suffix)=in series ECM=engine control module

The following are the hydrocarbon plus oxides of nitrogen (HC+NOx), carbon monoxide (CO), and particulate matter (PM) emission standards (Title 13, California Code of Regulations, (13 CCR) Section 2403(b)), and certification emission levels for this engine family in grams per kilowatt-hour (g/kW-hr). Engines within this engine family shall have closed crankcases in conformance with Section 1054.115(a) of the "California Exhaust Emission Standards and Test Procedures for New 2013 and Later Small Off-Road Engines," adopted October 25, 2012.

*=not applicable	HC+NOx (g/kW-hr)	CO (g/kW-hr)	PM (g/kW-hr)	
STANDARD	72	536	*	
FAMILY EMISSION LEVEL	*	*	*	
CERTIFICATION LEVEL	18	221	*	

**BE IT FURTHER RESOLVED:** That the family emission level(s) (FELs), as applicable, is an emission limit declared by the manufacturer for use in the averaging, banking and trading program and in lieu of an emission standard for certification. It serves as the applicable emission standard for determining compliance of any engine within this engine family under 13 CCR Sections 2403(e)(1) and 2407(a).

**BE IT FURTHER RESOLVED:** That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control system warranty).

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

Quarterly reports of engines produced in this engine family for sale in California shall be submitted to the Executive Officer no later than 45 days after the end of each calendar quarter.

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

Executed on this  $\frac{1111}{1111}$  day of December 2021.

Allen Lyons, Chief Emissions Certification and Compliance Division

## SORE Exhaust Model Summary Template (rev. 2020)

## Date: 4/1/2022 Engine Family: NCPPS.0805GA

## Model Summary

(Check One)Image: Check One)Image: C		47.	48.	49.	50.	51.	52.	52.	54.	55.	56.
Image: state s	Worst Case	Model Designation	Sales Code	Displacement	Bore/Stroke	Ignition Timing	Max Power	Rated Speed (RPM)	Rated Torque	Torque Speed (RPM)	Emission Control System
SC80(Gasoline)       50-State       80       48.6/43       33BTDC       2.3kW       5000       4.5N.m       2500       EM         X       \$\begin{tabular}{c} SC80(Gasoline-LPG \\ dual-fuel)       \$0-State       80       48.6/43       30±3 BTDC       2.3kW(Gasoline)/ 2.1kW(LPG)       5300       4.5N.m       2500       EM	(Check One)			(cc)							
X       SC80L(Gasoline-LPG dual-fuel)       50-State       80       48.6/43       30±3 BTDC       2.3kW(Gasoline)/ 2.1kW(LPG)       5300       4.3N.m       4000       EM		AP149F(Gasoline)			48.6/43	33BTDC	2.3kW	5000	4.5N.m	2500	EM
A dual-fuel) 30-5tate 80 46.6/43 30±5 FTC 2.1kW(LPG) 5500 4.5N.111 4000 EM		SC80(Gasoline)	50-State	80	48.6/43	33BTDC		5000	4.5N.m	2500	EM
980(Gaolien)95-he96-he<	х	dual-fuel)	50-State	80	48.6/43	30±3 BTDC	2.1kW(LPG)	5300	4.3N.m	4000	EM
Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome   Nome     Nome   Nome   Nome   Nome   Nome   Nome   Nome		SH80C(Gasoline)	50-State	80	48.6/43	30BTDC	2.0kW	4800	4.5N.m	3800	EM
Image											
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For CARB Use Only Executive Order: U-U-164-0133 Attachment \_1\_ of \_1\_ RC1: 6-29-22