

Pursuant to the authority vested in the 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-45-9;

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	ENGINE FAMILY	DISPLACEMENT (cc)	ENGINE CLASS	FUEL TYPE
2002	2MTDS.0314MC	31	2-stroke, 65 cc and under	Gasoline
DURABILITY HOURS	SPECIAL FEATURES & EMISSION CONTROL SYSTEMS		TYPICAL EQUIPMENT APPLICATION	
50	Dual Three Way Catalytic Converters		Non-Backpack Blower, Line Trimmer, Hedge Trimmer, Leaf Blower/Vacuum, Tiller, Edger, Brushcutter	
ENGINE MODELS (rated power in horsepower, hp)	See Attachment			

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 brake horsepower-hour (g/bhp-hr). Engines within this engine family shall have closed crankcases in conformance with Section 18.(h) of the "California Exhaust Emission Standards and Test Procedures for 1995 and Later Small Off-Road Engines," last amended March 23, 1999.

(g/bhp-hr)	HC+NOx	CO	PM
STANDARD	54	400	1.5
FAMILY EMISSION LEVEL	N/A	N/A	N/A
CERTIFICATION LEVEL	38	297	0.9

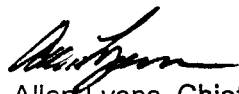
BE IT FURTHER RESOLVED: That for the listed engines, the manufacturer has submitted, and the Executive Officer hereby approves, the information and materials to demonstrate certification compliance with 13 CCR Section 2404 (emission control labels) and 13 CCR Sections 2405 and 2406 (emission control 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 at El Monte, California on this 20th day of March 2002.



Allen Lyons, Chief
 New Vehicle/Engine Programs Branch

Model Year: 2002
 Manufacturer: MTD Southwest, Inc.
 Engine Family: 2MTDS.0314MC

Issued:
 Revised: 3/5/2002
 E.O. Number: U-U-020-0025

Small Off-Road Engine Model Summary Form

Units for Table: hp

Worst Case?	47. Model Designation	48. Sales Code	49. Displ (cc)	50. Boꝛe/ Stroke	51. Ignition Timing	52. Max Power	53. Rated Speed (RPM)	54. Rated Torque	55. Torque Speed (RPM)	56. Emiss Control Sys
X	725	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	775	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	705	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	74520	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	74556	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	700	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	766	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Y28	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	700	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	765	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Craftsman	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Cub Cadet	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Yardman	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Troy Bilt	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Ryobi	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC
	Yardworks	50-State	31	35/32.51	26° BTDC	.85	6500	.7 Ft Lbs	6500	2TWC