McCULLOCH CORPORATION
SERVICE BULLETIN

1550

MODEL: All

March 18, 1974

SUBJECT: GASOLINE-TO-OIL MIXTURE RATIO

This bulletin is to advise you of a change to a recommended gas/oil ratio of 20 to 1 when mixing SAE 40 two-cycle motor oil in the fuel mixture for McCulloch chain saws. This is a change from the 16 to 1 ratio previously recommended and published in our fuel mixture tables. (See revised table on page 2.)

The reasons for this change are:

It has been found that SAE 40 oil when mixed at 16 to 1, has a tendency to cause rapid carbon build-up, particularly around the DSP valve, and require frequent cleaning. A 20 to 1 mixture should improve the condition.

Because McCulloch 40 to 1 oil may be either hard to find or non-existent, the alternate SAE 40 oil will be used more frequently as the only type available.

NOTE: When the better grades of two-cycle motor oils are used, the gasoline to oil ratio could be increased to 25 or 30 to 1 without bad effects. Before recommending the higher ratios however, we should be sure that the quality of the oil will permit such ratios. One guideline to quality would be a B.I.A. (Boating Industries Association) approval on the label.

It should be noted also that the oil and gasoline must be very thoroughly mixed before pouring the mixture into the fuel tank. Customers should be advised of the importance of this fuel preparation before running the chain saw.

McCULLOCH CORPORATION

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Service Manager

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FUEL MIXTURE TABLE

Gasoline	McCulloch 40 to 1 Custom Lubricant		SAE 40 Two-Cycle Oil (20 to 1 Ratio)	
1 U.S. Pint	3/8 oz.	15 ml (cc)	3/4 oz.	30 ml (cc)
1 U.S. Quart	3/4 oz.	25 ml (cc)	1-1/2 oz.	50 ml (cc)
1 Liter	7/8 oz.	25 ml (cc)	2 oz.	50 ml (cc)
1 Imp. Quart	1 oz.	30 ml (cc)	2 oz.	60 ml (cc)
1/2 U.S. Gal.	1-1/2 oz.	50 ml (cc)	3 oz.	100 ml (cc)
1/2 Imp. Gal.	2 oz.	60 ml (cc)	4 oz.	120 ml (cc)
1 U.S. Gal.	3 oz.	100 ml (cc)	6 oz.	200 ml (cc)
4 Liters	3 oz.	100 ml (cc)	6 oz.	200 ml (cc)
1 Imp. Gal.	4 oz.	115 ml (cc)	8 oz.	230 ml (cc)
2 U.S. Gal.	6 oz.	200 ml (cc)	12 oz.	400 ml (cc)
1-1/2 Imp. Gal.	6 oz.	175 ml (cc)	12 oz.	350 ml (cc)
7 Liters	6 oz.	175 ml (cc)	12 oz.	350 ml (cc)
5 U.S. Gal.	16 oz.	475 ml (cc)	1 U.S. Qt.	950 ml (cc)
4 Imp. Gal.	16 oz.	450 ml (cc)	4/5 Imp.Qt.	900 ml (cc)
19 Liters	16 oz.	475 ml (cc)	1 U.S. Qt.	950 ml (cc)

1 milliliter (ml) equals 1 cubic centimeter (cc)