# W 24 B

## Articulate Loader

**S/N 9120798 and After**

**Operators Manual 9-3352**

Reprinted

CASE CONSTRUCTION

MidWestTech | Case W24B Articulated Loader Operator's Manual | Publication 9-3352

Order the manual at mid-west-tech.com >

# TABLE OF CONTENTS


Safety . . . . . 2
Safety Rules . . . . . 2
Spark Arresting Muffler . . . . . 11
Rollover Protective Structure . . . . . 12
Introduction . . . . . 15
To the Case Owner . . . . . 15
Serial Number Location . . . . . 16
Specifications . . . . . 17
Engine . . . . . 17
Electrical System . . . . . 17
Hydraulic System . . . . . 17
Travel Speeds . . . . . 18
Tires . . . . . 18
Operating Data and Dimensions . . . . 18
Steering System . . . . . 20
Buckets . . . . . 20
Operating Instructions . . . . . 21
Instruments and Controls . . . . . 21
Loader Controls . . . . . 33
Return-To-Dig . . . . . 35
Bucket Height Control . . . . . 36
Bucket Level Indicator . . . . . 36
Engine Operation . . . . . 37
Run-In . . . . . 37
Starting . . . . . 37
Idling . . . . . 40
Shutting Off the Engine . . . . . 40
Starting Aids . . . . . 41
Machine Operation . . . . . 43
Starting . . . . . 43
Shifting to High and Low Ranges . 44
Shifting to Forward and Reverse . 44
Converter Overheating . . . . . 44
Steering . . . . . 45
Auxiliary Steering . . . . . 45
Engine Braking . . . . . 45
Stopping . . . . . 45
Towing . . . . . 45
Cold Weather Operation . . . . . 45
Hot Weather Operation . . . . . 48
Loader Operation . . . . . 49
Safety Rules . . . . . 49
Job Layout . . . . . 53
Filling the Bucket . . . . . 54
Transporting . . . . . 56
Dumping the Bucket . . . . . 56
Truck Loading . . . . . 56
Return-To-Dig Operation . . . . . 56
Bucket Height Control . . . . . 57
Fuels and Lubricants . . . . . 59
Diesel Fuel . . . . . 59
Fuel Specifications . . . . . 59
Fuel Conditioner . . . . . 60
Fuel Storage . . . . . 60
Lubricants . . . . . 61
Fuel, Fluids and Lubricants Chart . . . . . 62
Maintenance/Lubrication . . . . . 63
Safety Link . . . . . 63
Maintenance Chart . . . . . 64
Lubrication Points . . . . . 66
Engine Lubrication System . . . . . 68
Oil Level . . . . . 68
Oil Change . . . . . 68
Oil Filter . . . . . 70
Engine Air Cleaning System . . . . . 70
Restriction Indicator . . . . . 71
Air Cleaner Servicing . . . . . 73
Cleaning the Element . . . . . 73
Spark-Arresting Muffler . . . . . 74
Engine Cooling System . . . . . 75
Radiator Cap . . . . . 75
Coolant . . . . . 75
Antifreeze . . . . . 75
Cleaning the System . . . . . 76
Thermostat . . . . . 78
Drive Belts . . . . . 79
Fan Belts . . . . . 79
Brake System Compressor Belt . . . . 80
Air Conditioner Compressor Belt . . . 81
Fuel System . . . . . 82
Cleaning the System . . . . . 83
Servicing Fuel Filters . . . . . 85
Bleeding the System . . . . . 86
Electrical System . . . . . 87
Lights . . . . . 87
Do's and Don'ts for an Alternator Charging System . . . . . 90
Battery Care and Maintenance . . 91
Hydraulic System . . . . . 95
Oil Level . . . . . 95
Oil and Filter Change . . . . . 95
Braking System . . . . . 97
Air Compressor . . . . . 97
Air Reservoirs . . . . . 97
Master Cylinders . . . . . 98
Alcohol Evaporator . . . . . 98
Brake Adjustment . . . . . 99
Transmission . . . . . 100
Oil Level . . . . . 100
Oil Change and Filter Service . 101
Front and Rear Axles . . . . . 103
Oil Level . . . . . 103
Oil Change . . . . . 103
Axles, Wheels and Tires . . . . . 104
Replacing Bucket Teeth . . . . . 105
Cold Start Aid . . . . . 106
ROPS Pod Cab and Air Conditioning 107
General Maintenance . . . . . 107
Cab Air Filters . . . . . 108
Seat Belts . . . . . 110
Operators Seat and Trim . . . . . 111
Checking Refrigerant Level . . . 113
Storage . . . . . 115
Removal from Storage . . . . . 117
After Delivery Checkup . . . . . 119




MidWestTech | Case W24B Articulated Loader Operator's Manual | Publication 9-3352 Order the manual at mid-west-tech.com >