W14H Loader

SN 9119672 & After

Operators Manual

9-3431

Reprinted

CASE CONSTRUCTION

MidWestTech | Case W14H Loader Operator's Manual | Publication 9-3431

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

TABLE OF CONTENTS

Safety 3
Safety Rules 3
Spark Arresting Muffler 11
Roll-Over Protection Structure 12
Introduction 15
To The Owner 15
Serial Number Location 16
Specifications 17
Operating Instructions 21
Instruments and Controls 21
L.H. Instrument Cluster 21
R.H. Instrument Panel 23
Operator's Compartment 25
ROPS POD Cab Controls 27
Air Conditioning Operating Tips . 30
Operator's Seats 31
Loader 33
Engine Operation 37
Run-In 37
Starting 37
Idling 40
Stopping 40
Shutting off the Engine 40
Starting Aids 41
Jump Starting 43
Machine Operation 43
Driving 43
Cold Weather Operation 46
Hot Weather Operation 48
Loader Operation 48
Job Layout 53
Filling the Bucket 53
Transporting a Load 55
Dumping the Bucket 55
Truck Loading 56
Return-To-Dig 56
Clutch Cutout 56
Fuels and Lubricants 58
Diesel Fuel 58
Fuel Specifications 58
Fuel Storage 58
Fuel Conditioner 59
Lubricants 59
Fuel, Fluids and Lubricants 60
Maintenance/Lubrication 61
Safety Link 61
Run-In Maintenance Chart 62
Scheduled Maintenance Chart 62
Lubrication Points 64
Engine Lubrication System 67
Oil Level 67
Oil Filter 68
Engine Air Cleaning System 69
Restriction Indicator 71
Safety Filter 71
Air Cleaning Service 72
Spark Arresting Muffler 74
Engine Cooling System 74
Radiator Cap 74
Coolant 74
Thermostat 75
Cleaning the System 77
Drive Belts 78
Fuel System 82
Draining Water From System . . . 82
Bleeding the System 84
Servicing Fuel Filters 84
Electrical System 86
Lights 86
Alternator 89
Battery Care and Maintenance . . 90
Specific Gravity Check 92
Equipment and Steering Hydraulic System 94
Oil Level 94
Oil and Filter Change 94
Braking System 96
Air Compressor 96
Air Reservoir 96
Master Cylinders 97
Alcohol Evaporator 97
Brake Adjustment 99
Transmission/Converter Hydraulic System 100
Oil Level 100
Oil Change and Filter Service . . 101
Front and Rear Axles 104
Cold Start Aid 106
ROPS POD Cab and Air Conditioner . 107
General Maintenance 107
Cab Air Filters 108
Seat Belts 110
Operator's Seat and Trim 111
Checking Refrigerant Level . . . 113
Wheels and Tires 115
Loader 115
Return-To-Dig Adjustment . . . 115
Bucket Height Control Adjustment 116
Bucket Teeth 117
Machine Storage 117
Reactivating Machine 119
After Delivery Checkup 121

MidWestTech | Case W14H Loader Operator's Manual | Publication 9-3431 Order the manual at mid-west-tech.com >

SAFETY

SAFETY RULES

Your safety and the safety of those around you is highly dependent upon the care and good judgment you exercise in the use of this equipment. Know the positions and functions of all controls before attempting to operate. BE SURE TO CHECK ALL CONTROLS IN A SAFE OPEN AREA BEFORE STARTING YOUR WORK.

READ THIS MANUAL THOROUGHLY and make sure you understand, for example, the speed, braking, steering, stability and load characteristics of this machine before starting to operate.

The safety information presented in this manual is not intended to replace safety codes, insurance requirements, federal, state and local laws, rules and regulations. Know the regulations and laws that apply to your area and be sure that your machine is properly equipped to meet such laws and regulations.

It is recommended that the following safety rules be posted on the job site.

Pre-Starting

CAUTION: Clean or replace all safety decals if they can't be read. 25-6

CAUTION: Visually check out the machine for leaks and broken, missing or malfunctioning parts. Be sure all caps, dip sticks, battery covers, etc. are secure before starting. A part failure during operation could cause injury. 25-10



CAUTION: Wear the proper safety equipment - - avoid loose clothing. Obtain additional safety equipment when your safety may be in doubt. Hard hat, safety shoes, ear protectors, reflective clothing, safety goggles and heavy gloves may be required. 1-3

MidWestTech | Case W14H Loader Operator's Manual | Publication 9-3431 Order the manual at mid-west-tech.com >

CAUTION: Check that all lights (if so equipped) are functioning properly before operating at night. 25-7

WARNING: Be sure the operator's area, steps and grab handles are free of oil, loose objects or ice. Remove or secure all maintenance or personal items. Failure to keep these areas clean could cause a serious accident. 25-8



CAUTION: Know and understand the traffic flow patterns of your job. Understand and obey the flagman, road signs or signals. 1-8

CAUTION: Carry and maintain your fire extinguisher and first aid kit at all times. Know how to use them both. 1-7



WARNING: Do not smoke when using starting fluid or spray fluid near an open fire. Do not puncture or throw starting fluid can into an incinerator. Use this starting aid sparingly and do not store in a hot area. 1-10

WARNING: BE PARTICULARLY CAREFUL IF THIS IS NOT THE MACHINE YOU WOULD NORMALLY OPERATE. 2-2

MidWestTech | Case W14H Loader Operator's Manual | Publication 9-3431 Order the manual at mid-west-tech.com >