

## Table of Contents

### INTRODUCTION

---

General Information.....	2
General Specifications .....	3
Logbook Instructions .....	4
OEM (Original Equipment Manufacturer) Component Summary .....	5

### DRIVING & CONTROLS

---

Cab Instruments and Controls.....	6
Caterpillar C-12 Engine Operation .....	17
World Transmission Operation.....	18
Starting Apparatus .....	24
Gear Range Selection.....	25
Accelerating Apparatus.....	25
Idling/Stopping Apparatus.....	26
Braking.....	27
Dual Circuit Air Brake System.....	27
ABS (Anti-Lock Brake System).....	28
Parking Brakes (Spring Brakes).....	29
Auxiliary Front Wheel Locks .....	30
Jacobs Engine Brake .....	31
Electrical System .....	33
Load Manager .....	33
Load Sequencing.....	36
Shoreline Power Hook Up .....	36
Kwik-Raze Flood Lights.....	37

## Table of Contents

### **PUMPING**

---

Pump Panel .....	38
Left Side.....	40
Right Side.....	45
Cab – Water Tank Level Gauges.....	48
Tailboard.....	49
Monitors & Tank Lids .....	50
Waterous Pump.....	51
To Engage Pump.....	53
Manual Pump Shift Procedure .....	53
To Pump From Tank.....	54
To Pump From Hydrant (or other positive water source).....	54
To Pump From Draft.....	55
Pressure Governor.....	56
Controls & Indicators.....	57
Operation.....	58
Pressure Mode Operation.....	59
RPM Mode Operation.....	61
Intake Pressure Relief Valve.....	62
Foam Pro Class “A” Foam System.....	64
Operation.....	65
Display Information .....	66
Reset Functions.....	66
Foam Percentage.....	67
Display Messages.....	67
To Start Pumping Foam.....	68
To Stop Foam & Flush Foam System.....	69
Priming the Foam Pump .....	69

## Table of Contents

### MAINTENANCE

---

Cab Tilt Procedure - Components.....	71
Cab Tilt Procedure (Power Assist) .....	71
To Raise Cab.....	73
To Lower Cab .....	73
Cab Tilt Procedure (Manual Procedure).....	74
To Raise Cab.....	75
To Lower Cab .....	75
Brakes .....	76
Service Brake Adjustment Check Procedure .....	76
Parking Brake (Spring) Manual Release Procedure .....	80
Transmission Diagnostics/Maintenance .....	82
Electrical System .....	90
Alternator .....	90
Batteries .....	90
Jump Starting Apparatus.....	91
Kwik-Raze Lamp Replacement Instructions .....	93
Fluid Level Check Locations .....	95
Daily Maintenance Check List.....	100
Weekly Maintenance Check List.....	101
Instructions for Filling Out F-377.....	104
Bi-Monthly (F-377) Inspection Check List .....	105
Chassis Lubrication Key .....	108
Special Lube Instructions.....	115
Service Interval Summary.....	116
Fluid Capacities and Type Chart.....	118
Engine Specifications.....	119
Pump Specifications.....	119
Tires .....	120

## **Table of Contents**

### **RECORDS**

---

Repair Record Tab

Tire Record Tab

Apparatus Maintenance Record Check List Tab

Apparatus Inventory Record Tab

Assignment Record Tab

Addendum Tab