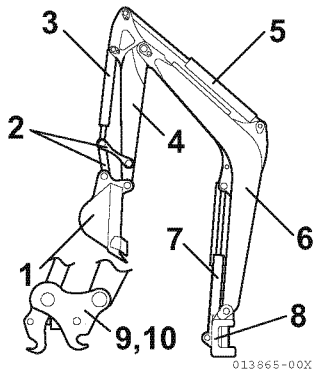
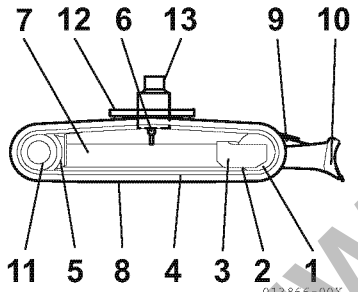
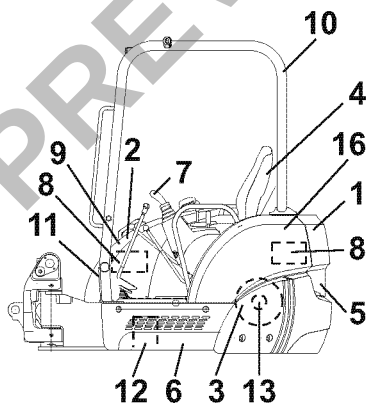
Note : *< > : W/O Quick coupler*

[Unit : lbs. (kg)]

Equipment	No.	Part	ViO55-5B			
			Canopy		Cabin	
			Steel track	Rubber track	Steel track	Rubber track
Front implement						
	1	Bucket Ass'y	277.8 (126)			
	2	Bucket arm & link Ass'y	61.7 (28)			
	3	Bucket cylinder Ass'y	70.6 (32)			
	4	Arm Ass'y	235.9 (107)			
	5	Arm cylinder Ass'y	94.8 (43)			
	6	Boom Ass'y	596.3 (270.5)			
	7	Boom cylinder Ass'y	113.0 (52)			
	8	Boom bracket Ass'y	209.5 (95)			
	9	Quick coupler cylinder Ass'y	19.4 (8.8)			
	10	Quick coupler Ass'y	103.2 (46.8)			
Undercarriage						
	1	Idler Ass'y	81.6 (37)			
	2	Track guard Ass'y	9.26×2 [(4.2)×2]	–	9.26×2 [(4.2)×2]	–
	3	Track adjuster Ass'y	44.1 (20) × 2			
	4	Track roller Ass'y	27.6 (12.5) × 8			
	5	Sprocket Ass'y	28.7 (13) × 2			
	6	Carrier roller Ass'y	22.1 (10) × 2			
	7	Track frame Ass'y	1125 (510)			
	8	Steel track & Rubber track Ass'y	626.2×2 [(284)×2]	577.7×2 [(262)×2]	626.2×2 [(284)×2]	577.7×2 [(262)×2]
	9	Blade cylinder Ass'y	99.2 (45)			
	10	Blade Ass'y	555.7 (252) <507.2 (230)>			
	11	Travel motor Ass'y	121.3 (55) × 2			
	12	Swing bearing Ass'y	196.2 (89)			
	13	Swivel & hose or fitting Ass'y	66.2 (30)			
Upperstructure						
	1	Engine hood Ass'y	66.2 (30)			
	2	Hydraulic oil tank with filter Ass'y	83.8 (38)			
	3	Engine	551.3 (250)			
	4	Operator's seat & mount Ass'y	123.5 (56)			
	5	Counter weight Ass'y	1292 (586)			
	6	Turning frame Ass'y	1278.7 (580)			
	7	Controls (4 cables) Ass'y	66.2 (30)			
	8	Battery Ass'y	48.5 (22)			
	9	Fuel tank & piping Ass'y	83.8 (38)			
	10	Canopy (& pole) or cabin Ass'y	132.3 (60)		507.2 (230)	
	11	Swing lock, covers, steps and panels	136.7 (62)			
	12	Swing motor Ass'y	92.6 (42)			
	13	Pump & mount and hoses Ass'y	88.2 (40)			
	14	Control valve & fitting and hoses Ass'y	143.3 (65)			
	15	Boom swing cylinder Ass'y	70.6 (32)			
	16	Engine mount Ass'y	224.9 (102)			

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

2. TECHNICAL DATA

Note : *< > : W/O Quick coupler*

Item			Unit	ViO45-5, ViO55-5
Engine				
	Starting device			
		Cold starting aids		Air heater
		Starting aids capacity	V-W	12-400
		Battery type		115D31R

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

2. TECHNICAL DATA

Note : *< > : W/O Quick coupler*

Item		Unit	ViO55-5B
Hydraulic equipment			
Control valve			
	Bucket (at rod end)	PSI (MPa)	3982 (27.5)
	Bucket (at bottom end)	PSI (MPa)	3982 (27.5)
	Boom swing (at rod end)	PSI (MPa)	3982 (27.5)

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

2-3 Weight List of Main Parts

Note : *< > : W/O Quick coupler*

[Unit : lbs. (kg)]

Equipment	No.	Part	ViO45-5			
			Canopy		Cabin	
			Steel track	Rubber track	Steel track	Rubber track
Front implement						

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

2. TECHNICAL DATA

Note : *< > : W/O Quick coupler*

Item		Unit	ViO45-5
Hydraulic equipment			
Control valve			
	Bucket (at rod end)	PSI (MPa)	3555 (24.5)
	Bucket (at bottom end)	PSI (MPa)	3555 (24.5)
	Boom swing (at rod end)	PSI (MPa)	3555 (24.5)

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

2. TECHNICAL DATA

Note : *< > : W/O Quick coupler*

Item		Unit	ViO45-5, ViO55-5
Engine			
	Fuel feed system		
		Fuel filter	Filter paper with automatic air release device
		Fuel filter filtration area	sq.in. (sq.cm)	310 (2000)

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

2. TECHNICAL DATA

Note : *< > : W/O Quick coupler*

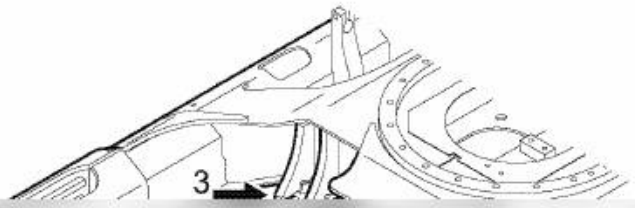
Item	Unit	ViO55-5
Main specifications of machine		
Work performance		
Maximum tractive force (Oil pressure force) (steel/rubber)	lbs. (k•N)	10760 (47.9)/12039 (53.5)
Maximum swing inclination angle (with standard bucket)	degrees	18 (at loading)
Swing speed	rpm	10

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

3-6-2 Blade Moving Device



Blurred on purpose. The manual you buy has this page in full quality.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

FOREWORD



Blurred on purpose. The manual you buy has this page in full quality.



PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

CHAPTER 4
Engine

4-1 General 4-1-1
4-1-1 How to Read This Manual 4-1-1
4-1-2 Precautions for Service Work 4-1-3
4-1-3 Engine External Views 4-1-4
4-1-4 Structural Description 4-1-4
4-1-5 Exhaust Gas Emission Regulation 4-1-5
4-2 Troubleshooting 4-2-1
4-2-1 Quick Reference Table for Troubleshooting 4-2-1
4-2-2 Troubleshooting by Measuring Compression Pressure 4-2-4
4-3 Inspection and Adjustment 4-3-1
4-3-1 Oil Inspection 4-3-1
4-3-2 Cooling Water Inspection 4-3-1
4-3-3 Inspecting Water Leak from Cooling Water System and Radiator 4-3-1
4-3-4 Fan Belt Tension Inspection and Adjustment 4-3-2
4-3-5 Adjusting the Valve Clearance 4-3-3
4-3-6 Inspecting the Fuel Injection Valve Injection Pressure and Spray Pattern 4-3-5
4-3-7 Fuel Injection Timing Adjustment / Fuel Injection Pump Inspection and Adjustment 4-3-9
4-3-8 Sensor Inspection 4-3-12
4-3-9 Battery Inspection 4-3-13
4-3-10 Adjusting Operation 4-3-15
4-3-11 Long Storage 4-3-16
4-3-12 Periodic Maintenance Schedule 4-3-17
4-4 Engine Body 4-4-1
4-4-1 Introduction 4-4-1
4-4-2 Cylinder Head 4-4-2
4-4-3 Gear Train and Camshaft 4-4-11
4-4-4 Cylinder Block 4-4-16
4-5 Lubrication System 4-5-1
4-5-1 Lubrication System Diagram 4-5-1
4-5-2 Trochoid Pump (ViO45-5, ViO55-5: 4TNV88-PBV) 4-5-1
4-5-3 Trochoid pump (ViO45-5B, ViO55-5B: 4TNV88-BXBV) 4-5-3
4-6 Cooling System 4-6-1
4-6-1 Cooling Water System 4-6-1
4-6-2 Cooling Water Pump Components 4-6-1
4-6-3 Disassembly (Reverse the Procedure Below for Assembly) 4-6-2
4-6-4 Servicing Points 4-6-2
4-7 Fuel Injection Pump / Governor 4-7-1
4-7-1 Introduction 4-7-1
4-7-2 Fuel Injection Pump 4-7-1
4-8 Electrical Equipment 4-8-1
4-8-1 Starter Motor 4-8-1
4-8-2 Alternator 4-8-3
4-8-3 Air Heater 4-8-6

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

3. SERVICING STANDARDS

Applicable model			4TNV88-BXBV	
Item		Unit	Standard	Wear limit
Piston ring				
Oil ring	Ring groove width	in. (mm)	0.1581 to 0.1587 (4.015 to 4.030)	0.1626 (4.130)
	Ring width		0.1563 to 0.1571 (3.970 to 3.990)	0.1555 (3.950)

PREVIEW - YOUFIXTHIS.COM

Blurred on purpose. The manual you buy has this page in full quality.

Download full manual at youfixthis.com

(2) Crankshaft

Mainly check seizure and wear of the crankpins and journals. Since the crankshaft gear is shrink-fitted, heat to 356 to 392°F (180 to 200°C) when extraction is necessary.

[1] Shaft portion color check

After washing the crankshaft, inspect it by means of color check or a magnaflux inspector. Replace it if



Blurred on purpose. The manual you buy has this page in full quality.

PREVIEW - YOUFIXTHIS.COM

Download full manual at youfixthis.com

PREVIEW ONLY

You're viewing 12 of 201 pages

The full manual includes:

- All 201 pages, complete
- Searchable PDF (find any keyword)
- No watermarks
- Instant download
- Print-ready quality

GET FULL MANUAL NOW

Yanmar ViO45-5, ViO45-5B, ViO55-5, ViO55-5B Service Manual

Scan or click anywhere
youfixthis.com

Click anywhere on this page to get the full manual