

SKELA BANOVINIA d.o.o. u stečaju

Ajdovščina 44
44 250 Petrinja

Vaš znak: **YMRVIO80PLAJAH106**

Predmet: Procjena vrijednosti rabljenog građevinskog stroja, mini bagera Yanmar VIO80-1A

Vašom narudžbom zatražili ste procjenu vrijednosti rabljenog građevinskog stroja Yanmar VIO80-1A, VIN: YMRVIO80PLAJAH106.

Nakon pregleda i ispitivanja stroja, te uvida u odgovarajuću dokumentaciju, dajem slijedeću:

PROCJENU VRIJEDNOSTI STROJA

1. PODACI O STROJU:

Marka stroja	Yanmar
Tip stroja	Mini bager
Model stroja	VIO80-1A
Broj šasije	YMRVIO80PLAJAH106
Boja vozila	ŽUTA
Godina proizvodnje	2020.
Stanje brojača radnih sati (Sr)	2.140 Sr
Snaga motora (Kw)	39,3 kW
Zapremina motora (ccm)	1.642
Pogonsko gorivo stroja	Dizel, vodeno hlađenje
Radna težina stroja (kg)	8.065 kg
Masa praznog stroja (kg)	7.990 kg
Oprema	<ul style="list-style-type: none">- Klima- Dvostruka hidraulička aksijalna pumpa- Brza izmjena alata- Rotacija kupole- Priprema za hidraulični čekić- Iskopna korpa 80 cm
Starost stroja	5 godina i 4 mjeseca

2. OPĆI IZGLED I STANJE

Stroj kao cjelina je u prosječnom općem stanju sa vidljivim tragovima uporabe i evidentno slabijeg redovnog tekućeg održavanja.

Prilikom pregleda stroja uočeno je sljedeće:

- Motor teže pali uz pomoć dr. akumulatora (potrebna zamjena akumulatora)
- Na upravljačkoj ploči se prilikom paljenja uključuju 3 greške, od kojih jedna ukazuje na kvar DPF sustava motora -potrebna dijagnostika i popravak u servisnom centru
- Komande su ispravne i u funkciji, s manjim zračnosti
- Gumene gusjenice su polovično potrošene
- Na stroju nedostaju prednje i stražnje lampe na kabini
- Vjetrobranska stakla su mijenjana (razl. amblemi), s tim da su neka i nestručno postavljena
- Vidljivi su i manji mehanički nedostaci na stroju, nebitni za samu funkcionalnost stroja

3. ULAGANJE U STROJ UNATRAG 12 MJESeci

- Nema podataka o ulaganjima u stroj.

4. RABLJENOST STROJA

Strojevi ove kategorije otpisuju se na rok od 12 godina, s time da im vrijednost po isteku 12. godine, uz uvjet da su u tehnički ispravnom stanju, te da im je broj sati u granicama prosjeka, iznosi 25 % od cijene takvog novog stroja.

Gubitak vrijednosti po godinama nije linearan, već je u prvoj godini najveći i iznosi 15 %, a svake se naredne godine smanjuje.

Gubitak vrijednosti stroja po godinama je prikazan u tablici:

Godina	Godišnji pad vrijednosti %	Rabljenost stroja %	Vrijednost stroja %
1	15,00	15,0	85,0
2	14,50	27,0	73,0
3	13,75	37,0	63,0
4	12,50	45,0	55,0
5	11,75	52,0	48,0
6	10,50	57,0	43,0
7	10,00	61,0	39,0
8	8,50	64,0	36,0
9	7,50	68,0	32,0
10	6,50	71,0	29,0
11	6,00	73,0	27,0
12	6,00	75,0	25,0

Na dan procjene, predmetni stroj je bio u upotrebi 5 godina i 4 mjeseca.

Prema stanju brojača radnih sati, predmetni stroj je do dana procjene odradio 2.140 Sr.

5. TRŽIŠNA VRIJEDNOST STROJA

Stroj kao predmetni, mini bager Yanmar VIO80 se prema navodima predstavnika ovlaštenog zastupnika za marku Yanmar u RH, tvrtka GRA-PO proizvodio u razdoblju od 2019. do 2024.g. Nasljedni model predmetnog stroja, prema nekim sličnim tehničkim specifikacijama bi bio mini bager Yanmar SV86-7.

Cijena novog modela radnog stroja Yanmar SV86-7 na dan procjene kod ovlaštenog zastupnika za RH tvrtka GRA-PO d.o.o. iznosi:

$$95.000,00 \text{ €} + \text{PDV } 25\% = 118.750,00 \text{ €}$$

Zbog zastare modela, jer se novi model nešto razlikuje po značajkama i tehnološki je napredniji od predmetnog, vrijednost stroja umanjujem za 10 %, te kao polaznu novo nabavnu vrijednost predmetnog stroja (s PDV-om) koristim iznos od:

$$85.500,00 \text{ €} + \text{PDV } 25\% = 106.875,00 \text{ €}$$

Prema utvrđenom stupnju rabljenosti stroja (prema godinama starosti) vrijednost stroja (s PDV-om) iznosi:

$$39.612,00 \text{ €} + \text{PDV } 25\% = 49.515,00 \text{ €}$$

Međutim, s obzirom da je predmetni stroj odradio znatno manje radnih sati od propisanih, prema godinama starosti, rabljenost mu smanjuje za 10 %, te vrijednost stroja (s PDV-om) iznosi:

$$43.573,00 \text{ €} + \text{PDV } 25\% = 54.466,25 \text{ €}$$

Uzimajući u obzir sve navedeno, kao i sljedeće parametre:

- Starost i amortiziranost stroja,
- Stanje stroja prilikom pregleda s uključenim nedostacima i potrebnim ulaganjima, da bi se stroj doveo u tehnički i optički ispravno stanje, te
- Stanje ponude i potražnje na domaćem i stranom tržištu strojeva sličnih karakteristika,

procjenjujem da minimalna tržišna vrijednost predmetnog stroja na dan procjene iznosi:

$$\mathbf{38.000,00 \text{ €} + \text{PDV } 25 \% = 47.500,00 \text{ €}}$$

Stalni sudski vještak

Tomislav Vujčić, dipl. ing.

U privitku :

- Fotografije snimljene prilikom pregleda stroja

QUICK SPECS

Weight	18,136 lbs
Horsepower	56.9 HP
Max Dig Depth	15'4"

**Versatility
combined
with more
power.**

YANMAR's ViO80-1A, our 8-ton class mini excavator, is powered by a 56.9 HP

Tier 4 Final YANMAR engine. It is our largest true zero tail swing excavator, goes where large conventional tail swing models can't and comes with emissions control combined with fuel efficiency. The ViO80-1A comes standard with 2nd PTO and is packed with several convenient functions and features to provide operator comfort, ease of operation and easy maintenance. Plus, YANMAR's unique SmartAssist Remote gives you peace of mind with theft prevention and maintenance management tools as well as other remote monitoring services.

INNOVATIVE FEATURES



True Zero Tail Swing

YANMAR introduced the world's first zero tail swing excavator in 1993. True zero tail swing technology means no part of the housing extends beyond the tracks, allowing you to work efficiently anywhere, with less damage to the machine and the worksite.



YANMAR's Patented Hydraulic Quick Coupler

The standard hydraulic quick coupler makes changing buckets fast and easy. With the exception of fitting and removing the safety lock pin, the entire operation is performed electronically while you're seated in the comfort of the cab. Less hassle. Less downtime. More productivity.



A Cab Almost As Comfortable As Your Living Room

The spacious ViO80-1A cab is designed for more elbow and leg room. The standard equipment heating and air conditioning system means you can work comfortably year round. And the sturdy, sound-blocking, anti-vibration construction means a smooth, quiet ride. All it needs is a TV.



ViO80-1A

POWERFUL, EFFICIENT
56.9 HP TIER 4 FINAL
YANMAR DIESEL ENGINE

**VIPPS (VIO PROGRESSIVE
3-PUMP HYDRAULIC
SYSTEM)**

**EASY-TO-OPERATE
JOYSTICK CONTROLS
WITH ARMRESTS
REDUCE OPERATOR
FATIGUE**

**SPRING STEEL
CYLINDER ROD GUARD
AND HOSE PROTECTION**

**INTEGRATED BOOM
LIGHT PROTECTS
FROM DAMAGE**

**ECO & AUTO-
DECELERATION MODE
STANDARD**

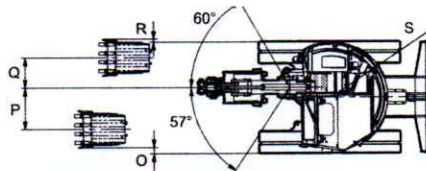
**ANGLED CRAWLER FRAME
REDUCES FOREIGN
MATTER BUILD-UP**

**AUTOMATIC SHIFTING
2-SPEED TRAVEL**

**STANDARD PTO2
CIRCUIT**

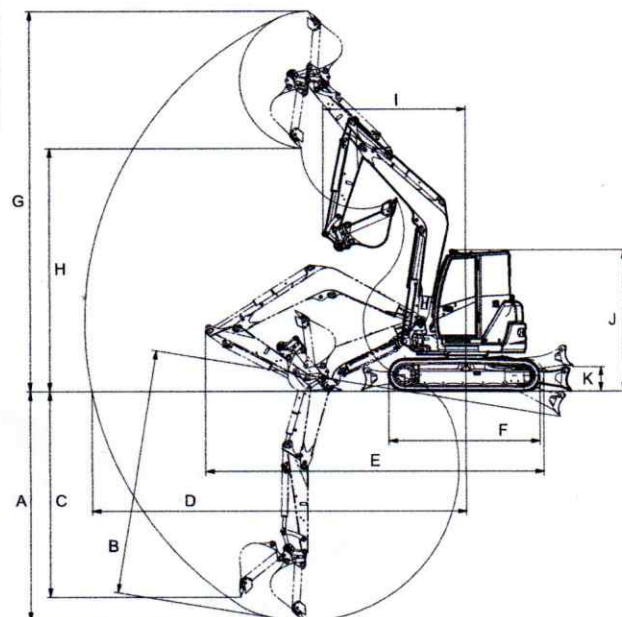
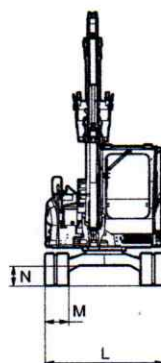


ViO80-1A



Dimensions - ViO80-1A

A 14'5" (4,400)	K 1'6" (460)
B 15'4" (4,680)	L 7'5" (2,270)
C 12'11" (3,940)	M 1'6" (450)
D 23'5" (7,140)	N 1'3" (390)
E 21'2" (6,460)	O 5" (120)
F 9'6" (2,890)	P 2'9" (840)
G 23'9" (7,230)	Q 2'0" (620)
H 15'2" (4,620)	R 2" (60)
I 8'11" (2,720)	S 3'9" (1,135)
J 8'10" (2,680)	



Specifications

Model			ViO80-1A	
Type			Cab. Rubber Track	Cab. Steel Track
Operating Weight			lbs (t)	
			18,136 (8.23)	18,268 (8.29)
Engine	Type	-	Water-cooled 4-cylinder diesel	
	Model	-	YANMAR 4TNV98C-WBV	
	Rated Output	HP (kW)/rpm	56.9 (42.4) / 2,000	
	Maximum Output at High Idle Speed	HP (kW)/rpm	55.7 (41.5) / 1,900	
Performance	Max Digging Force, Bucket / Arm	lbs (kN)	14,275 (63.5)* / 9,172 (40.8)*	
	Traveling Speed, High / Low	MPH (km / h)	2.8 (4.5) / 1.6 (2.5)	
	Swing Speed	RPM	9.0	
	Boom Swing Angle, (L / R)	degrees	57° / 60°	
	Gradability	degrees	30°	
Ground Contact Pressure (Rubber Track)			PSI (kPa)	
			5.2 (35.8)	5.25 (36.2)
Hydraulic System	Pump Capacity	GPM (L / min)	18.6 (70.3) x 2 + 14.1 (53.2) + 5.0 (19.0)	
	Main Relief Set Pressure	PSI (MPa)	3,698 (25.5) x 2 + 3,481 (24.0) + 421 (2.9)	
Blade Dimensions	Width	ft-in (mm)	7'5" (2,260)	
	Stroke, Raise / Lower from G.L.	ft-in (mm)	1'6" (460) / 1'7" (480)	1'5" (440) / 1'8" (500)
Fuel tank capacity			Gals (L)	30.4 (115)

*without quick coupler

Standard Equipment

Hydraulic Quick Coupler*
Blade
Boom Swing Function
Rubber Tracks
Arm End Auxiliary Valve
Antenna and Pre-wired for Radio
Back Mirror/Side Mirror
2-way Pattern Control
ROPS / FOPS Cabin
Windshield Washer
Air Conditioner
Defroster
Joystick Pilot Controls
Arm Rests (Adjustable)
Suspension and Reclining Seat
Seat Belt
PTO Switch
Travel Automatic Dual Speed Switch
Auto Deceleration Switch
Eco Mode Switch
Engine Stop Switch
Traveling Alarm
Floor Mats
PTO2 Circuit

*Also available without Quick Coupler.

Please note that the standard equipment may vary from this list. Consult your YANMAR dealer for confirmation.

Hydraulic PTO

Model	ViO80-1A			
Specification	Output	PSI (kPa)	GPM (L / min)	
			PTO1	PTO2
Combined Flow, Double Actions		3,481 (24,000)	31.7 (120.0)	18.6 (70.3)

Lifting Capacity

LIFT POINT HEIGHT in (mm)	(R) LIFT RADIUS in (mm)											
	RATED LIFT CAPACITY OVER END BLADE DOWN				RATED LIFT CAPACITY OVER END BLADE UP				RATED LIFT CAPACITY OVER SIDE BLADE UP			
	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)	MAX	196.9 (5,000)	157.1 (4,000)	118.1 (3,000)
196.9 (5,000)	3,638 (1,650)		3,572 (1,620)		3,550 (1,610)		3,461 (1,570)		2,734 (1,240)		3,550 (1,610)	
157.5 (4,000)	3,417 (1,550)	3,417 (1,550)	3,572 (1,620)		2,403 (1,090)	2,734 (1,240)	3,417 (1,550)		2,271 (1,030)	2,491 (1,130)	3,528 (1,600)	
118.1 (3,000)	3,483 (1,580)	3,616 (1,640)	4,233 (1,920)	5,468 (2,480)	2,028 (920)	2,668 (1,210)	4,123 (1,870)	5,336 (2,420)	1,896 (860)	2,447 (1,110)	4,145 (1,880)	5,534 (2,510)
78.7 (2,000)	3,351 (1,520)	3,946 (1,790)	5,027 (2,280)	6,879 (3,120)	1,830 (830)	2,513 (1,140)	3,594 (1,630)	6,174 (2,800)	1,697 (770)	2,315 (1,050)	3,395 (1,540)	4,806 (2,180)
39.4 (1,000)	3,395 (1,540)	4,255 (1,930)	5,710 (2,590)	7,651 (3,470)	1,764 (800)	2,381 (1,080)	3,439 (1,560)	4,564 (2,070)	1,675 (760)	2,249 (1,020)	3,175 (1,440)	4,255 (1,930)
Ground (0)	3,373 (1,530)	4,321 (1,960)	5,865 (2,660)	8,070 (3,660)	1,830 (830)	2,337 (1,060)	3,307 (1,500)	4,873 (2,210)	1,719 (780)	2,160 (980)	3,153 (1,430)	4,542 (2,060)
-39.4 (-1,000)	3,329 (1,510)	4,057 (1,840)	5,468 (2,480)	7,585 (3,440)	2,028 (920)	2,315 (1,050)	3,285 (1,490)	5,137 (2,330)	1,918 (870)	2,160 (980)	3,087 (1,400)	4,674 (2,120)
-78.7 (-2,000)	2,976 (1,350)		4,498 (2,040)	6,218 (2,820)	2,491 (1,130)		3,373 (1,530)	5,292 (2,400)	2,425 (1,100)		3,197 (1,450)	4,961 (2,250)



For parts, please visit [YANMAR.com/us/products/parts/](https://www.yanmar.com/us/products/parts/) or call 800.966.7685.