

# INTRODUCTION

With correct maintenance and proper use, Gehl skid-steer loaders will give years of dependable service. This service manual is intended to be a guide in the assembly and disassembly, installation and removal, adjustment and testing, troubleshooting and replacement of components that together make up the Gehl SL3640/3840/4240 family of skid-steer loaders.

In many of the procedures found within, the installation steps are the exact opposite of the removal steps and vice versa, and therefore, the opposite procedure is not written. Instead, a note to reverse the procedure will be stated. This reduces redundancy and excessive pages in the manual. In cases though, where the assembly and disassembly or removal and installation procedures differ and additional steps or safety concerns are paramount, the entire reverse procedure will be written out to include the new information.

The Table of Contents and Index can be used to make the procedure you need to find an easier process. Also, there are black tabs extending off the pages highlighting the chapters for those who prefer to thumb through the manual. Many schematics, photographs, and line art drawings are used to help perform the necessary repairs, tests, or adjustments that the SL3640/3840/4240 skid-steer loaders need to keep them in good running condition.

If you have any additional questions, please contact your authorized Gehl dealer or call the Gehl Service Department for assistance.

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# SPECIFICATIONS

	SL3640/3840	SL4240
Engine Make	Yanmar	Yanmar
Model	3TNV88-XMS2	4TNV88-XMS2
Fuel	Diesel	Diesel
Displacement	100 CID (1,64 L)	133 CID (2,19 L)
Horsepower - Net (SAE)	35 hp (26 kW) @ 2600 rpm	46 hp (34 kW) @ 2600 rpm
Torque - Maximum	80 ft.-lbs. (108,5 N•m) @ 1200 rpm	103 ft.-lbs. (139,7 N•m) @ 1200 rpm
Rated Operating Load (SAE)*	1050 lbs. (476 kg)	1350 lbs. (612 kg)
Operating Weight	4000 lbs. (1814 kg)	4600 lbs. (2087 kg)
Shipping Weight	3515 lbs. (1594 kg)	4065 lbs. (1844 kg)
Engine Oil	7.6 US qts. (7,2 L)	9.1 US qts. (8,6 L)
Fuel Tank	10.3 US gal. (39 L)	12.4 US gal. (47 L)
Standard Flow Rate	14.5 gpm (55 L/min)	16.5 gpm (62 L/min)
Travel Speed (max)	6.4 mph (10,3 km/h)	6.8 mph (10,9 km/h)

## Specifications below apply to all 3640, 3840 and 4240 models

Capacities	
Chaincases (each)	8.0 US qts. (7,6 L)
Hydraulic Reservoir	8.0 US gal. (30 L)
Electrical	
Battery	12-volt DC, 675 CCA
Starter	12-volt DC (2.0 kW)
Alternator	40 A
Hydraulic System	
Main Hydraulic System Pressure	2750 psi (190 bar)

Tire Options	
7 x 15	SS Narrow
8.5 x 15 - 8 ply	Heavy-Duty Flotation
10.50 x 15 - 8 ply	Heavy-Duty Flotation
10 x 16.5 - 6 ply	Standard Flotation
10 x 16.5 - 8 ply	Heavy-Duty Flotation/Foam-Filled
10 x 16.5 - 10 ply	Severe-Duty/Severe-Duty Foam-Filled
6.5 x 16	Solid Rubber

Buckets and Capacities			
Width	Description	Capacity (Heaped)	
48 inches (1219 mm)	Dirt/Construction	9.75 cubic feet	0,27 cubic meters
48 inches (1219 mm)	Utility	11.9 cubic feet	0,34 cubic meters
54 inches (1372 mm)	Dirt/Construction	9.5 cubic feet	0,27 cubic meters
54 inches (1372 mm)	Utility	13.5 cubic feet	0,38 cubic meters
55 inches (1397 mm)	Dirt/Construction	10.5 cubic feet	0,30 cubic meters
60 inches (1524 mm)	Utility	15.2 cubic feet	0,43 cubic meters
61 inches (1550 mm)	Dirt/Construction	11.7 cubic feet	0,33 cubic meters
61.5 inches (1562 mm)	Low Profile	12.6 cubic feet	0,36 cubic meters
61.5 inches (1562 mm)	Earth & Foundry	13.0 cubic feet	0,37 cubic meters
61.5 inches (1562 mm)	Construction	13.0 cubic feet	0,37 cubic meters

3640/3840 SAE Rated Operating Load: Operating load rated with a 54" (1372 mm) dirt/construction bucket in accordance with SAE J818.  
 4240 SAE Rated Operating Load: Operating load rated with a 60" (1524 mm) dirt/construction bucket in accordance with SAE J818.