

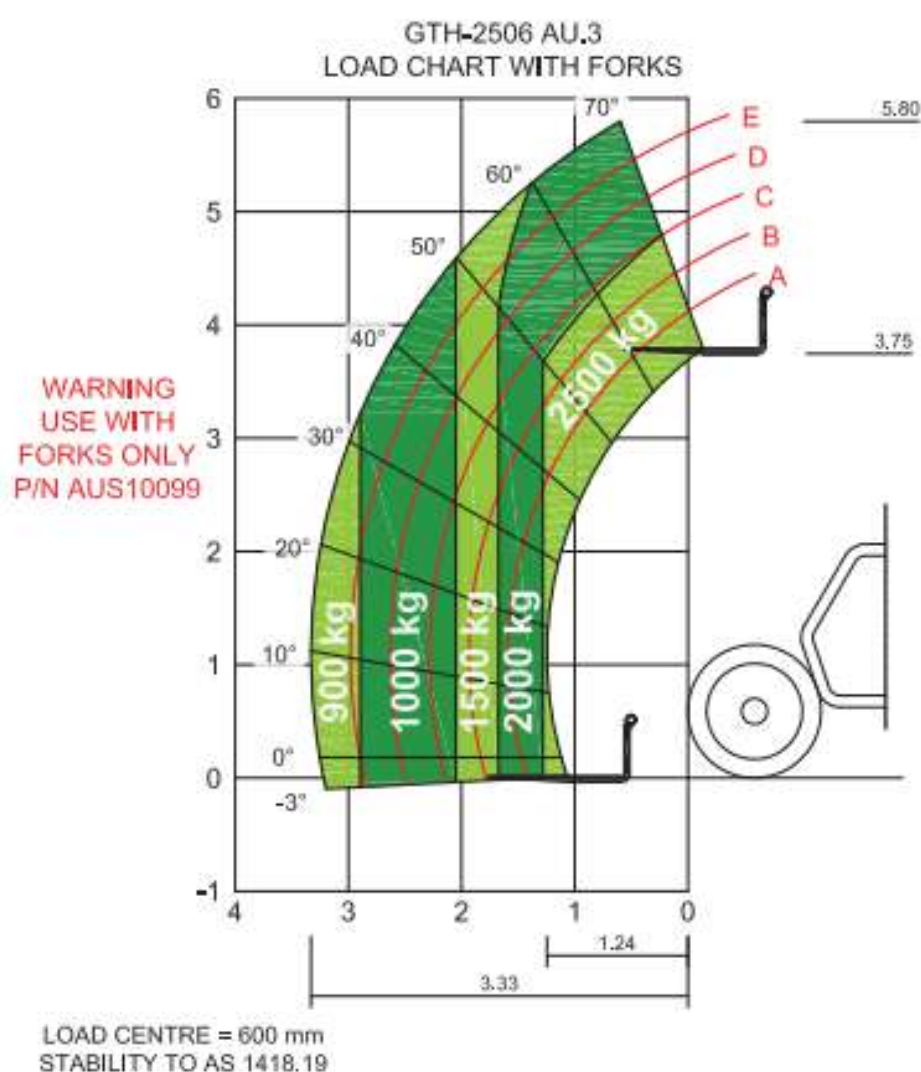
Specifications

GTH-2506	
Height, stowed	1.92 m
Length, stowed, to attachment frame	3.84 m
Width, standard tires	1.81 m
Wheelbase	2.36 m
Ground clearance, center	0.33 m
Weight	4,580 kg
Working fork height, maximum	5.79 m
Horizontal reach maximum	3.33 m
Reach at maximum height	0.60 m
Lift capacity, maximum height	2,000 kg
Lift capacity, maximum reach	900 kg
Maximum lift capacity	2,500 kg
Drive speed, maximum,	23 km/h
Turning radius, outside, 2 wheel steer	5.4 m
Turning radius, outside, 4 wheel steer	4 m
Fuel tank capacity	60 L
Maximum grade	50 %
Horn sound level, manufacturer's rating	112 dB
Backup alarm sound level, manufacturer's rating	95 dB
Mean assessed vibration level transmitted to body	0.44 m/s ²
Floor loading information	
Tire load, maximum	3,500 kg
Occupied floor pressure	7.5 kPa
Camera Pitch Angle	23° below horizontal

Load Charts

Refer to load charts provided in cabin for comprehensive operating restrictions, e.g. pick and carry configuration, allowable slope for various operating modes and in-service wind speed rating.

GTH-2506 AU.3, Standard Forks



Maintenance

Check the Engine Oil Level



Maintaining the proper engine oil level is essential to good engine performance and service life. Operating the machine with an improper oil level can damage engine components.

Note: Check the oil level with the engine off and on a level surface.

- 1 Check the oil level dipstick. Add oil as needed.

Deutz TD 2.9 L4, STAGE III A

Oil type	SHELL RIMULA R4 L 15W-40
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Diesel Fuel Requirements

Satisfactory engine performance is dependent on the use of a good quality fuel. The use of a good quality fuel will give the following result: long engine life and acceptable exhaust emissions levels.

Tank	60 L	13 gal
Fuel Type	Diesel	

Check the Hydraulic Oil Level



Maintaining the hydraulic oil at the proper level is essential to machine operation. Improper hydraulic oil levels can damage hydraulic components. Daily checks allow the inspector to identify changes in oil level that might indicate the presence of hydraulic system problems.

- 1 Be sure that the engine is off, the frame is level and the boom is in the stowed position.
- 2 Visually inspect the sight gauge located on the left side of the hydraulic oil tank.
 - ⊙ Result: The hydraulic oil level should be halfway in the sight gauge.
- 3 Add oil as needed. Do not overfill.

Hydraulic oil specifications

Hydraulic Oil type

GAZPROMNEFT HYDRAULIC HDZ 46

Maintenance

Check the Engine Coolant Level



Maintaining the engine coolant at the proper level is essential to engine service life. Improper coolant level will affect the engine's cooling capability and damage engine components. Daily checks will allow the inspector to identify changes in coolant level that might indicate cooling system problems.

- 1 Visually inspect the sight gauge located on the top side of the radiator.

⊙ Result: The fluid level should be halfway in the sight gauge.

⚠ **Bodily Injury Hazard.** Fluids in the radiator are under pressure and extremely hot. Use caution when removing cap and adding fluids.

Check Mirrors and Camera System

Maintaining the indirect visual aids is essential to workplace visibility.

1. Visually inspect all mirrors to ensure they are working properly and clean and free from debris.

Check the Battery



Proper battery condition is essential to good machine performance and operational safety. Improper fluid levels or damaged cables and connections can result in component damage and hazardous conditions.

⚠ **Electrocution hazard.** Contact with hot or live circuits may result in death or serious injury. Remove all rings, watches and other jewellery.

⚠ **Bodily injury hazard.** Batteries contain acid. Avoid spilling or contacting battery acid. Neutralize battery acid spills with baking soda and water.

- 1 Put on protective clothing and eye wear.
- 2 Be sure that the battery cable connections are tight and free of corrosion.
- 3 Be sure that the battery hold-down brackets are in place and secure.

Note: Adding terminal protectors and a corrosion preventative sealant will help eliminate the corrosion on the battery terminals and cables.

Maintenance

Scheduled Maintenance

Machines that have been out of service for more than three months must receive the quarterly inspection before they are put back into service.

<i>Model</i>
<i>Serial number</i>
<i>Date</i>
<i>Hour meter</i>
<i>Machine owner</i>
<i>Inspected by (print)</i>
<i>Inspector signature</i>
<i>Inspector title</i>
<i>Inspector company</i>

Instructions

- Make copies of this report to use for each inspection.
- Select the appropriate checklist(s) for the type of inspection to be performed.

☐

Daily or 8 hours

Inspection:

A

- Place a check in the appropriate box after each inspection procedure is completed.
- Use the step-by-step procedures in this section to learn how to perform these inspections.
- If any inspection receives an "N", tag and remove the machine from service, repair and re-inspect it. After repair, place a check in the "R" box.

Checklist A		Y	N	R
A-1	Manuals and decals			
A-2	Pre-operation inspect			
A-3	Function tests			
A-4	Lubricate the boom			
A-5	Engine maintenance			
Perform after 100 hours:				
A-6	Axle maintenance			
Perform after 200 hours:				
A-7	Axle maintenance			

Interlocks Spare Parts	
LMS Display & Board	56.0016.0132
Enabling Function Switch on Joystick	07.0741.0225
Emergency Stop Switch	56.0016.0091
Seat Switch	07.0703.0484

Maintenance

A-4

Lubricate the Boom



Genie specifications require that this procedure be performed every 8 hours or daily, whichever comes first.

Greasing the specified locations is essential for good machine performance and service life.

Operating the machine with little or no grease may cause the machine to perform poorly and continued use may cause component damage.

Grease Specification

PTFE INTERFLON FIN GREASE LS 2

Genie part number 09.4693.0000

1. Fully extend and raise the boom, then retract the boom, checking to insure it operates smoothly. There should be a light film of lubricant on wear pad contact surfaces.
 - ⊙ Result: Boom operates smoothly and a thin film of lubricant is visible. Proceed to step 4.
 - ⊗ Result: Boom does not extend or retract smoothly and no lubricant is visible on wear pad contact surfaces. Proceed to step 2.
2. Apply a thin layer of grease to the underside of the number 2 boom tube where it makes contact with the number 1 boom tube lower wear pads.
3. Lubricate the top and side boom tube wear pads.
4. Return the boom to the stowed position.

A-5

Perform Engine Maintenance - Perkins Models



Engine specifications require that this procedure be performed every 8 hours or daily, whichever comes first.

Deutz TD 2.9 L4

Lubricating oil level - check/add

Coolant level - check/add

Visual inspection

Suction air filter/dry air filter - check

Fuel pre-filter - check/empty water

Required maintenance procedures and additional engine information is available in the Deutz TD 2.9 L4 Operation and Maintenance Manual (Deutz part number 0312 3893).

Deutz TD 2.9 L4 Operation and Maintenance Manual

Genie part number

57.4700.0006