







This documentation is for informational purposes only and subjected to change.

Always consult your dealer when you need help on tractor maintenance.

1. [Maintenance Check list](#)
2. [Diesel Fuel Specifications](#)
3. [Lubricants/ coolants](#)
4. [Replacement Parts](#)



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## 1. Maintenance Check list | CAB type, attachments

Topic	Interval	▼: By user ●: By authorized YANMAR dealer or distributor												
		Service Intervals												
		Daily	If necessary	FIRST 50 hours	Every 50 hours	Every 250 hours	Every 500 hours	Every 1000 hours	Every 1500 hours	Every 2000 hours	Every 1 year	Every 2 years		
Internal air inlet filter	Clean					●								
	Replace								●					●
External air inlet filter	Clean		▼			●								
	Replace								●					
Condenser screen	Clean	▼												
Condenser	Clean			●	▼									
Warm water piping	Check								●					●
	Replace		●											
Compressor drive belt	Inspect			●	▼									
	Adjust			●		●							●	
Wascher Liquid tank	Check/refill	▼												
Front Lift hydraulic lines. Check for leakages <sup>*4</sup>	Check			●										
Front lift	Grease				▼									
Front Lift and front PTO bolts on torque	Check			●					●					
Front PTO grease nipples	Grease								●					
Front PTO gear oil	Check							●						
	Replace									●			●	
Front PTO oil filter	Clean								●				●	
	Replace		●											
Drawbar	Grease				▼									
	Check			●					●					

\*1 Whichever occurs first.

\*2 Check the Wheel bolts tightening torque after one hour of break -in.

\*3 At Dusty Conditions: Clean filter once every 50 operating hours.

\*4 Extremely Wet or Muddy Conditions: Lubricate the grease fittings once every 10 operating hours or once a day.

\*5 Dealer can find descriptions of this maintenance on YDS (Manual, Bulletin or Service News).



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## 2. Diesel Fuel Specifications

### 2.1. Diesel fuel regulation

Diesel fuel should comply with the EN590:96.

### 2.2. Additional technical fuel requirement

- Sulphur content not greater than 10 mg/kg (15 mg/kg at point of final distribution)
- Cetane number not less than 45

### 2.3. Bio-diesel fuel

In consistency with other global diesel engine manufacturers and diesel fuel injection equipment manufacturers, YANMAR encourages the development of renewable compression ignition fuels and wishes to clarify our position on the use of biodiesel fuels in YANMAR Industrial Engines.

Non-mineral oil based fuel resources such as RME (Rapeseed Methyl Ester) and SOME (Soybean Methyl Ester), collectively known as FAME (Fatty Acid Methyl Esters), are being used as extenders for mineral oil derived diesel fuels.

After YANMAR conducted the applicability evaluation, YANMAR approves the use of B7 (up to 7 % FAME) Diesel which shall not exceed a blend of 7 % (by volume) of FAME with 90 % (by volume) of approved mineral oil derived diesel fuel in YANMAR Industrial Engines.

YANMAR's limited warranty conditions in case certain engines manufactured by YANMAR are operated with B7 Diesel are as follows:

1. YANMAR accepts the use of B7 Diesel only on the conditions that B7 Diesel must comply with "the European standard EN14214 and EN590-2009 (for Oxidation stability)" in Europe.
2. Please purchase B7 Diesel only from recognized and authorized diesel fuel suppliers.
3. Please use only B7 Diesel including methanol as the above relevant regulations state; otherwise, it may cause corrosion in aluminum and zinc fuel injection equipment components.
4. Please use only B7 Diesel contained certain water level as the above relevant regulations state; otherwise, it may cause fuel filters plugged and also may increase bacterial growth.
5. Please use only B7 Diesel with low viscosity at high temperatures; otherwise, it may cause problems on fuel delivery, injection pump seizures and poor injection nozzle spray atomization.
6. Please check the engine oil level daily. If the oil level rises above the oil level of the previous day, the engine oil needs to be immediately replaced.
7. Please check and confirm the quality of B7 Diesel and other fuel tanks before you will start to use it. Please keep daily maintenance during the use of B7 Diesel and do not forget to regularly flush the fuel system and fuel storage containers. You may only use B7 Diesel at least within two (2) months from the time of filling the tank or three (3) months from the time of production by the said fuel suppliers, whichever comes first.

YANMAR does not warrant and is not responsible for any problems caused by the use of the deteriorated B7 Diesel or by the use of the B7 Diesel which do not comply with the above relevant regulations.

Consult your YANMAR tractor dealer before using the recommended biodiesel.

The engine of this machine uses precision parts in the fuel injection parts to comply with emission regulations. When storing fuel to be used, avoid using containers made of zinc plated steel sheet, but use resin or stainless metal containers. If the zinc or lead material melt into the fuel, it may cause engine malfunction.





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## 3. Lubricants

No.	Locations	Capacities		Lubricants		
		Unit	YT235			
1.	Coolant*	L	CAB: 5.0 ROPS: 4.5	High Quality Permanent Type Antifreeze (Ethylene Glycol with corrosion and rust inhibitor chemicals) Coolant Mixture Ratio Distilled Water 50%: Antifreeze 50%		
2.	Engine oil - crankcase (with filter)	L	4.3	ACEA Service Categories E3, E4, or E5 SAE 10W-30		
3.	Transmission hydraulic oil	L	31	Hydraulic/Transmission Fluid (TF500A)		
4.	Front axle case	L	5.5	SAE 80W-90 gear oil		
5.	Greasing	Front axle pivot	No. of greasing point	2	Until grease overflows	NLGI GRADE No.2
		Tie rod end	No. of greasing point	2	Until grease overflows	NLGI GRADE No.2
		Lift link	No. of greasing point	1	Until grease overflows	NLGI GRADE No.2

(Specifications and design are subject to change without prior notice for improvement)

\*Immediately after purchasing the tractor:

- adjust the coolant mixture ratio of the coolant and water to suite the local climate
- the preceding practice assists in making the tractor function efficiently

The coolant can remain unchanged for a period of 2 year if during the period the tractor is operated for less than 2000 hours. If the tractor is operated for more than 2000 hours during the period, the coolant has to be replaced during flushing of the system. After pouring the coolant, run the engine for a short period to mix the two fluids thoroughly.

### YANMAR GENUINE LUBRICANTS & COOLANTS

Type & Description	Change int. (h)	Size	Order no.
			YT235
10W-30 Engine oil*	200	5 L	10W30-5L
		20 L	10W30-20L
		208 L	10W30-208L
TF500A Transmission & hydraulic fluid*	600	20 L	TF500A-20L
80W90 Gear oil	300	1 L	80W90-1L
		20 L	80W90-20L
Grease-calcium	50	400 gr	GREASE-CALCIUM
Coolant**	1000/ 2 years	1 L	COOLANT-1L
		5 L	COOLANT-5L
		20 L	COOLANT-20L
		208 L	COOLANT-208L

\*First lubricant change is at 50 hours    \*\* Hours interval or time apply, whichever comes first



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## 4. Replacement parts

For a copy of the Illustrated Parts List or the Technical Manual of the tractor, contact your local YANMAR Tractor dealer. Only use the YANMAR authentic parts. Non-authentic parts can cause serious damage and accidents.

Item	Part Number
Engine Oil Filter	129150-35153
Transmission Hydraulic Oil Filter	198119-48310
Line filter	1A7180-48191
Outer Filter	1A8240-05110
Inner Filter	1A8240-05120
Fuel Filter Element	129A23-55800
Water Separator Element	129A00-55730
Alternator Belt	25152-004100
1 Amp Fuse	1A8426-52800
10 Amp Fuse	198535-52120
15 Amp Fuse	198535-52130
20 Amp Fuse	198535-52140
50 Amp Slow Blow Fuse	1E8720-83120
80 Amp Fuse	198153-51700
Battery	1A842E-51510
Headlights Bulb	1A8070-53140
Turn Signal/Hazard Lights Bulb (Front) CAB	1A7100-53220
Turn Signal/Hazard Lights Bulb (Front) ROPS	1A8060-53410
Turn Signal/Hazard Lights Bulb (Rear)	1E9170-81270
Tail Lights Bulb (Rear)/Brake lamp (Rear)	1A7400-53530
Compressor Belt	25132-005600
Gas damper	1A8470-61360
Front position lamp (CAB)	1A7100-53230
Front position lamp (ROPS)	1A8060-53400



## Easy service kit overview per tractor and maintenance interval

Order all the parts you need for the required maintenance intervals of your YANMAR tractor easy and fast with the Tractor Maintenance Kits overview.

- All required parts bundled in one box per interval
- Clear overview of all maintenance intervals and required parts per tractor
- Navigate to the desired maintenance interval with one click
- No need to search for the correct parts of your tractor. We have done it for you.
- Easy ordering at your dealer using service kit numbers



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