

13. MAINTENANCE

●: Contact YOUR LOCAL YANMAR TRACTOR DEALER.

| System | Check item | Hour meter display time | | | | | | | | | |
|---------------------------|---|-------------------------|----------|-----------|-----------|------------|------------|------------|------------|---|------------------|
| | | Daily | 50 hours | 250 hours | 500 hours | 1000 hours | 1500 hours | 2000 hours | 3000 hours | | |
| Emission control warranty | Inspect, clean and test EGR valve (except for engines with turbochargers) | | | | | | | | | ● | Every 3000 hours |
| | Inspect crankcase breather system | | | | | | | | | ● | Every 1500 hours |
| | Inspect and test intake throttle valve | | | | | | | | | | ● |

CAB Type

Periodic inspection list (CAB type)

| Inspection/adjustment parts | Normal inspection | Category | Hour meter display time | | | | | | | | | | | | | |
|---|------------------------------|------------|-------------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|---|-----------------|
| | | | 50 hours | 100 hours | 150 hours | 200 hours | 250 hours | 300 hours | 350 hours | 400 hours | 450 hours | 500 hours | 550 hours | 600 hours | | |
| Cleaning and replacing the internal air inlet filter ^{*1} | | Replace | | | | | | | | | | | | | ✓ | Every 600 hours |
| | | Clean | | | | ✓ | | | | ✓ | | | | | ✓ | Every 200 hours |
| Cleaning and replacing the external air introduction filter ^{*2} | | Replace | | | | | | | ✓ | | | | | | ✓ | Every 300 hours |
| | | Clean | | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | | ✓ | Every 100 hours |
| Liquid in the washer liquid tank | Amount | | | | | | | | | | | | | | | |
| Condenser screen | Clean | | | | | | | | | | | | | | | |
| Condenser ^{*3} | Clean | | | ✓ | | ✓ | | | ✓ | | ✓ | | ✓ | | ✓ | Every 100 hours |
| Warm water piping | | Replace | Every year | | | | | | | | | | | | | |
| Compressor drive belt | Adequate tension Strength | Adjustment | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | | ✓ | Every 100 hours |

*1, *2 Please replace the internal air inlet filter and the external air introduction filter every 2 years no matter the actual usage time.

*3 When working in a dusty place, carry on every 50 hours.

3. Lubricants

Table 13-2

| No. | Locations | Capacities | Lubricants | |
|-----|--------------------------------|--|--|--|
| 1 | Fuel | Approximately 48 L | No.2-D diesel fuel No.1-D diesel fuel if temperature is below -10°C | |
| 2 | Coolant* | YT347: Approximately 6.2 L YT359: Approximately 7.6 L | High Quality Permanent Type Antifreeze (Ethylene Glycol with corrosion and rust inhibitor chemicals) Coolant Mixture Ratio Distilled Water 50%: Antifreeze 50% | |
| 3 | Engine crankcase (with filter) | YT347: Approximately 6.6 L YT359: Approximately 7.6 L | ACEA Service Categories E6 or higher SAE 10W-30 | |
| 4 | Transmission hydraulic oil | Approximately 29 L | Hydraulic/Transmission Fluid (TF500) | |
| 5 | Front axle case | Approximately 9.0 L | SAE 80W-90 gear oil | |
| 6 | Greasing | No. of Greasing points | Lubricants | Type of grease |
| | Front axle pivot | 2 | Until grease overflows | General all purpose grease NLGI grade No.2 |
| | Tie rod end | 2 | | |
| | Lift link | 1 | | |

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

*NOTE

- 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 years:
 - if during the period the tractor is operated for less than 1200 hours
 - if the tractor is operated for more than 1200 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.

■ Transmission-Hydraulic Oil

Use only a multi-functional fluid for use in the transmission and hydraulic system. Never use light viscosity hydraulic fluid. The equivalent oils are shown in the chart below.

Table 13-3

| Supplier | Brand name |
|----------|-----------------------|
| YANMAR | TF Premium |
| Shell | Tulles oil T37 or T46 |
| Mobil | Mobil Fluid 425 |
| Castrol | Agricultural MP |
| ESSO | Torque Fluid 56 |

Oils must not be mixed with other brand and type.