WSM

WORKSHOP MANUAL
TRACTOR

M126XDTPC
(SUPPLEMENT)

Kubota

KiSC issued 08, 2011 A

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INFORMATION

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1. SAFETY FIRST

⚠ SAFETY FIRST

- **This symbol, the industry's "Safety Alert Symbol", is used throughout this manual and on labels on the machine itself to warn of the possibility of personal injury. Read these instructions carefully.**
- **It is essential that you read the instructions and safety regulations before you attempt to repair or use this unit.**

⚠ DANGER
- **Indicates an imminently hazardous situation which, if not avoided, will result in death or serious injury.**

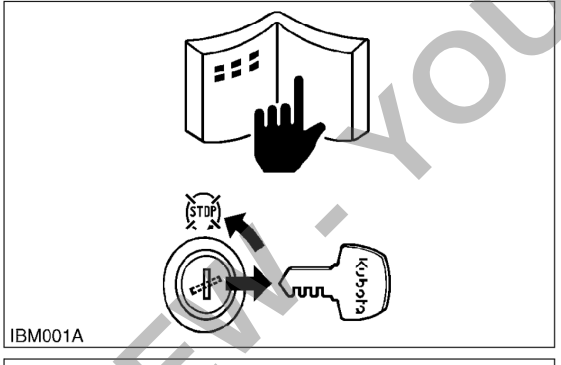
⚠ WARNING
- **Indicates a potentially hazardous situation which, if not avoided, could result in death or serious injury.**

⚠ CAUTION
- **Indicates a potentially hazardous situation which, if not avoided, may result in minor or moderate injury.**

■ IMPORTANT
- **Indicates that equipment or property damage could result if instructions are not followed.**

■ NOTE
- **Gives helpful information.**

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IBM001A


IBM002A

BEFORE YOU START SERVICE

- Read all instructions and safety instructions in this manual and on your machine safety decals.
- Clean the work area and machine.
- Park the machine on a stable and level ground, and set the parking brake.
- Lower the implement to the ground.
- Stop the engine, then remove the key.
- Disconnect the battery negative cable.
- Hang a **"DO NOT OPERATE"** tag in the operator station.

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START SAFELY

- Do not do the procedures below when you start the engine.
  - short across starter terminals
  - bypass the safety start switch
- Do not alter or remove any part of machine safety system.
- Before you start the engine, make sure that all shift levers are in neutral positions or in disengaged positions.
- Do not start the engine when you stay on the ground. Start the engine only from operator's seat.

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3. SPECIFICATIONS

Model			M126XDTPC 4WD
Engine	Model		V6108-TIE3
	Type		Direct injection, with turbocharger, water-cooled 4-cycle diesel
	Number of cylinder		4
	Total displacement		6124 cm^3 (374 cu.in.)
	Bore and stroke		118 × 140 mm (4.65 × 5.51 in.)
	Net power*		93.2 kW (125 HP)*
	PTO power (factory observe)*		80.6 kW (108 HP)* / 2200 min^{-1} (rpm)
	Battery capacity		12 V, 160 Ah at 20 hours, 1090 CCA
	Fuel tank capacity		190 L (50.2 U.S.gal, 41.8 Imp.gals)
	Engine oil capacity		14.6 L (15.4 U.S.qts, 12.8 Imp.qts)
	Coolant capacity		15.0 L (15.9 U.S.qts, 13.2 Imp.qts)
Dimensions	Overall length (with 3-point hitch)		4370 mm (172.0 in.)
	Overall width		2180 mm (85.83 in.)
	Overall height		2700 mm (106.3 in.)
	Tread	Front	1770 mm (69.68 in.)
		Rear	1780 mm (70.08 in.)
	Crop clearance		435 mm (17.1 in.)
Weight			5200 kg (11460 lbs)
Traveling system	Front tire		14.9R24
	Rear crawler track width		400 mm (15.7 in.)
	Clutch		Multiple wet disc, Electronic Hydraulically operated
	Steering		Hydrostatic power steering
	Braking system		Hydraulically operated wet disk
	Differential		Bevel gears with differential gear lock (Front, Rear)
Hydraulic unit	Hydraulic control system		Electronic draft control
	Pump capacity		77.2 L (20.4 U.S.gals, 17.0 Imp.gals) / min.
	Three point hitch		SAE Category 2
	Max. lifting force	At lifting points	2635 kg (5809 lbs) at lower link end with links horizontal
		24 in. behind lifting points**	2360 kg (5203 lbs)
	Remote hydraulic control		Two remote valves with detent and self-canceling
	System pressure		19.7 MPa (201 kgf/cm^2 , 2857 psi)
	Traction system		Swinging drawbar, adjustable in direction
PTO system	Live PTO (Independent)	Direction of turning	Clockwise, viewed from tractor rear
		PTO/Engine speed	6 splines : 540 min^{-1} / 1994 min^{-1} 21 splines : 1000 min^{-1} / 2050 min^{-1}

■ **NOTE**

- ***Manufacture's estimate**
  ****** Top link mounting : upper hole.**
  The company reserves the right to change the specifications without notice.

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2. LUBRICANTS FUEL AND COOLANT

No.	Place	Capacity	Lubricants, fuel and coolant
1	Fuel	190 L 50.2 U.S.gals 41.8 Imp.gals	• No. 2-D diesel fuel • No. 1-D diesel fuel if temperature is below –10 °C (14 °F)
2	Cooling system	14.6 L 15.4 U.S.qts 12.8 Imp.qts	Fresh clean soft water with anti-freeze
	Recovery tank	1.5 L 1.6 U.S.qts 1.4 Imp.qts	
3	Washer liquid	1.3 L 1.4 U.S.qts 1.1 Imp.qts	Automobile washer liquid
4	Engine crankcase (with filter)	14.6 L 15.4 U.S.qts 12.8 Imp.qts	**Engine oil** API Service Classification: CF or CI-4 [External **EGR** type engine] • Above 25 °C (77 °F) SAE30, SAE10W-30 or 15W-40 • 0 to 25 °C (32 to 77 °F) SAE20, SAE10W-30 or 15W-40 • Below 0 °C (32 °F) SAE10W, SAE10W-30 or 15W-40
5	Transmission case	60 L 63.4 U.S.qts 52.8 Imp.qts	KUBOTA UDT or SUPER UDT fluid*
6	Brake oil (reservoir and lines)	0.3 L 0.3 U.S.qts 0.3 Imp.qts	KUBOTA UDT or SUPER UDT fluid* or Turbine oil 32 (See below) regular type, multipurpose straight mineral oil Mobil DTE Oil #32 TEXACO Regal Oil #32 CHEVRON -GST Oil #32 TERESSO OIL #32 Never use automotive brake oil.
7	Front idler case oil	0.5 L 0.5 U.S.qts 0.4 Imp.qts	KUBOTA UDT or SUPER UDT fluid* or SAE80, SAE90 gear oil
8	Rear idler case oil	0.5 L 0.5 U.S.qts 0.4 Imp.qts	
9	Track roller case oil	0.2 L 0.2 U.S.qts 0.2 Imp.qts	
10	Front differential case oil	13.0 L 13.7 U.S.qts 11.4 Imp.qts	
11	Front axle gear case oil	4.5 L 4.8 U.S.qts 4.0 Imp.qts	

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3. MAINTENANCE

No.	Item		Service Interval														Since then	Important		Reference page
			50	100	150	200	250	300	350	400	450	500	550	600	650	700				
1	Crawler track tension	Adjust	★	☆		☆		☆		☆		☆		☆		☆	every 100 Hr			PG-8
2	Greasing (crawler)	–	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	☆	every 50 Hr			PG-7
3	Guide roller	Adjust		☆		☆		☆		☆		☆		☆		☆	every 100 Hr			PG-10
4	Greasing	–		☆		☆		☆		☆		☆		☆		☆	every 100 Hr			PG-7
5	Front idler case oil	Change												☆			every 600 Hr			PG-10
6	Rear idler case oil	Change												☆			every 600 Hr			PG-10
7	Track roller case oil	Change												☆			every 600 Hr			PG-10
8	Sprocket	Replace															Service as required			PG-11
9	Crawler track	Replace																		PG-12
10	Crawler track	Rotation																		PG-13

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1. TROUBLESHOOTING

Symptom	Probable Cause	Solution	Reference Page
Excessive or Unusual Noise at All Time	Improper backlash between final gear and final gear shaft	Replace	P4-S11
	Bearing worn	Replace	P4-S9 P4-S11
	Insufficient or improper type of transmission fluid used	Fill or change	–
Noise while Turning	Idle gear (28T gear) and final gear shaft worn or damaged	Replace	P4-S9
	Idle gear (28T gear) and rear axle gear (39T gear) worn or damaged	Replace	P4-S9 P4-S11
	Bearing worn	Replace	P4-S9 P4-S11

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3. TIGHTENING TORQUES

Tightening torques of screws, bolts and nuts on the table below are especially specified.

Item	N·m	kgf·m	lbf·ft
Sprocket nut (M16, 9T)	260 to 304	26.5 to 31.0	192 to 224
Swing shaft mounting screw	260 to 304	26.5 to 31.0	192 to 224
Crossmember mounting nut and screw (M14, 7T)	124 to 147	12.6 to 15.0	91.2 to 108
Crawler frame bracket nut and screw (M16, 7T)	197 to 225	20.0 to 23.0	145 to 166
Final gear case 1 mounting screw (M14, 7T)	124 to 147	12.6 to 15.0	91.2 to 108
Final axle cover mounting screw (M14, 7T)	124 to 147	12.6 to 15.0	91.2 to 108
Final gear case mounting nut and screw (M14, 9T)	167 to 196	17.0 to 20.0	123 to 144
Final gear case mounting stud bolt (M14, 9T)	83.4 to 98.1	8.51 to 10.0	61.6 to 72.3
Final axle staking nut	539 to 637	55.0 to 64.9	398 to 469
Cabin mounting nut (M16, 7T)	197 to 225	20.0 to 23.0	145 to 166
Cabin mounting bracket screw (M14, 9T)	167 to 196	17.0 to 20.0	123 to 144

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