

ZX27U

As Required	
• Clean radiator core	• Clean engine air cleaner elements
Every 10 Hours or Daily	
• Check engine oil level	• Check hydraulic tank oil level
• Drain fuel tank sump	• Drain water separator
• Check coolant level at recovery tank	• Check bucket teeth
• Check and adjust track sag	• Check seat belt
Every 50 Hours	
• Check and adjust fan belt tension	
Every 100 Hours	
• Lubricate bucket and link pins	
Initial Service—250 Hours ¹	
• Replace hydraulic oil tank filter	
Every 250 Hours	
• Lubricate swing bearing	• Check travel gear case oil level
• Drain hydraulic oil tank sump	• Take engine oil sample
Every 500 Hours	
• Take travel gear case oil sample	• Take diesel fuel sample
• Take engine coolant sample	• Take hydraulic oil sample
• Change engine oil and replace filter	• Lubricate front joint pins
• Lubricate swing bearing gear	• Lubricate control lever universal joint
• Replace final fuel filter	• Replace air cleaner element
• Replace hydraulic oil tank filter	
Every 1000 Hours	
• Replace pilot oil filter	• Drain and refill travel gear case oil
• Check and adjust valve clearance	• Check starter and alternator
• Drain and refill hydraulic oil, clean suction screen	
Every 2000 Hours	
• Drain and refill engine coolant	

UPTIME MAINTENANCE PLANNER

REQUIRED PARTS						
Description	Part Number	Initial Service— 250 Hours ¹	Every 250 Hours	Every 500 Hours	Every 1000 Hours	Every 2000 Hours
Engine Oil Filter	4454526			1	1	1
Hydraulic Tank Oil Filter	AT308568	1		1	1	1
Fuel Filter Element	8970713480			1	1	1
Engine Air Filter Element—Primary	M131802			1	1	1
Engine Air Filter Element—Secondary	M131803		As Required			
Pilot Control Oil Filter	4294130				1	1
Engine Rocker Arm Cover Gasket	8971952722				1	1
Engine Oil ²				6.4 L (1.7 gal.)	6.4 L (1.7 gal.)	6.4 L (1.7 gal.)
API GL-5 Gear Oil ²					1.0 L (1.1 qt.)	1.0 L (1.1 qt.)
Hitachi SUPER EX 46HN Hydraulic Oil ³	2908-050 ⁴				30.0 L (7.9 gal.)	30.0 L (7.9 gal.)
Engine Coolant ⁶						6.0 L (1.6 gal.)
Coolant Conditioner ²			As Required			
Fluid Analysis Kits ⁵						
Diesel Engine Oil	AT346594	1	1	1	1	1
Hydraulic Oil	AT346594			1	1	1
Travel Gear Case Oil	AT346594			2	2	2
Diesel Fuel	AT180344			1	1	1
Engine Coolant	TY26873			1	1	1
3-Way Heavy Duty Coolant Test Kit	TY16175			1	1	1

¹ Perform initial service once after the first 250 hour of operation.

² See operator's manual for brand and/or temperature specifications.

³ Hydraulic oil changing intervals differ according to type of hydraulic oil used. Consult you local dealer.

⁴ See operator's manual for recommended oil type and oil viscosities based upon operating temperatures.

⁵ Based on fluid analysis results, intervals may need to be adjusted for your operating conditions. Consult your local John Deere dealer.

⁶ If using genuine life long coolant, change interval is every 2 years or 2000 operating hours whichever comes first.