

### JT30 Planned Maintenance Services

A.	Maintenance Service Description	Parts		Labor			Total
		Part	Price	Hours	Rate	Total	
	<b>50 Hour Service (Initial)</b>						
	Change engine oil	12 qt. 10W30		0.5			
	Change engine oil filter	195-1034		0.3			
	Change hydraulic filter	153-791x2		0.5			
	Change hydraulic filter (Charge)	149-939		0.25			
	Hydraulic Fluid(Top off)	1Gal. THF		0.2			
	Multi-point inspection			3.0			
	Totals						\$709.06

B.	Maintenance Service Description	Parts		Labor			Total
		Part	Price	Hours	Rate	Total	
	<b>250 Hour Service:</b>						
	<b>50 Hour Service</b>						\$709.06
	Change Rotaion Gearbox oil	3.25 Qt MPL		0.5			
	Change fuel filter (primary) T4i	T4i(195-1790)		0.25			
	Change fuel filter (secondary)T4i	T4i(195-1652)		0.25			
	Totals						\$900.31

C.	Maintenance Service Description	Parts		Labor			Total
		Part	Price	Hours	Rate	Total	
	<b>500 Hour Service</b>						
	<b>250 Hour Standard Service</b>						\$900.31
	Replace primary air filter	195-1835		0.5			
	Totals						\$1,050.81

ice is to be performed at a local

D.	Maintenance Service Description	Parts		Labor			Total
		Part	Price	Hours	Rate	Total	
	<b>750 Hour Service</b>						
	<b>250 Hour Service</b>						\$900.31
	Change drill fluid pump oil	2.25 qt. 30W		0.5			
	Totals						\$959.56

E	Maintenance Service Description	Parts		Labor			Total
		Part	Price	Hours	Rate	Total	
	<b>1000 Hour Service</b>						
	<b>500 Hour Service</b>						\$1,050.81
	Engine Tune, Includes all of list			4			
	Change hydraulic oil	27 gal. THF		1			

Change Anchor planetary oil	2 qt. MPL		1		
Change Thrust planetary oil	2 qt. MPL		1		
Change ground drive gearbox oil	2 qt. MPL		1		
Replace secondary air filter	195-1836		0.5		
Totals					\$2,192.81

Service is to be performed at a local

F.	Maintenance Service Description	Parts		Labor			Total
	1250 Hour Service:	Part	Price	Hours	Rate	Total	Total
	50 Hour Service						\$709.06
	Change fuel filter (primary)	195-1790		0.25			
	Change fuel filter (secondary)	195-1036		0.25			
	Change Rotation Gearbox oil	3.25 Qt MPL		0.5			
	Totals						\$1,308.31

G.	Maintenance Service Description	Parts		Labor			Total
	1500 Hour Service	Part	Price	Hours	Rate	Total	Total
	250 Hour Standard Service						\$900.31
	Change drill fluid pump oil	1 qt. 30W		0.5			
	Replace primary air filter	195-1835		0.2			
	Totals						\$1,074.81

Service is to be performed at a local

H.	Maintenance Service Description	Parts		Labor			Total
	1750 Hour Service	Part	Price	Hours	Rate	Total	Total
	1250 Hour Service						\$1,308.31
	Totals						\$1,308.31

I.	Maintenance Service Description	Parts		Labor			Total
	2000 Hour Service	Part	Price	Hours	Rate	Total	Total
	1500 Hour Service						\$1,074.81
	Engine Tune, Includes all of list			4			
ZEDC	Change hydraulic oil	19 gal. THF		1			
	Change Anchor planetary oil	2 qt. MPL		1			
	Change Thrust planetary oil	2 qt. MPL		1			
	Change ground drive gearbox oil	2 qt. MPL		1			
	Replace secondary air filter	195-1836		0.5			

Totals	
--------	--

		\$6,826.53
--	--	------------

vice is to be performed at a local Ditch Witch Service Center

**Total**

Cost for mileage to perform work in field:	336 per trip x 6
--	------------------

**Total with Mileage      \$18,346.51**

**Muli-Point Inspection**

Electrical strike system  
 Operator's Manual  
 Decals  
 All safety updates performed  
 Guards, sheilds, cylinder locks  
 Steps, handholds, cat walks, platforms  
 Check all control functions (check operation and re)  
 Tie down points  
 Safety interlock operations  
 Engine oil level, (machine and mixing system)  
 Hydraulic fluid reservoir level  
 Drilling fluid pump oil level  
 Rotation gearbox oil level  
 All hoses - hydraulic, cooling, water  
 Battery  
 Alternator Belt, condition and tension  
 Radiator, coolant level, coolant solution analysis  
 Pipe loader automation operation  
 Track tension and condition  
 Pipe loader gripper inserts  
 Pipe loader shuttle inserts  
 Drilling fluid pump Y-strainer  
 Air intake system hoses and air filter condition  
 Saver sub  
 Pipe thread lube system, if so equipped  
 Mixing system engine air filter, idle speed  
 Drain fuel filter water trap

**Engine Tune-up Includes:**

Flush coolant system and replace anti-freeze, additive  
 Pressure test coolant system  
 Inspect water pump for bearing wear and leakage  
 Inspect automatic belt tensioner and belt wear  
 Clean and inspect battery cables  
 Service and load test battery  
 Inspect air intake system and service air cleaner  
 Clean and inspect crankcase vent tube  
 Inspect turbo charger  
 Inspect fuel system for leads and condition of lines  
 Adjust engine valve clearance  
 Check for oil leaks at front & rear crankshaft seals and crankcase  
 Test run engine, check for proper governor operation.