

Maintenance plan MAH 33.3/ 49.4/ 74.6/ 84.6 TI xxx Models

Hydrogen

	after	after	after	after	at	at	at
Interval after operating hours at 1500 1/min	50	150	1.500	3.000	15.000	31.500	63.000
Interval after operating hours at 1800 1/min	50	100	900	1.800	10.800	19.500	39.000
Maintenance interval	W1	O*	W2	W3	I1**)	I2**)	I3**)
Change engine oil Oil analysis *)		x					
Change engine oil filter *)		x					
Check hoses	x						
Check for leaks	x						
Check coolant pressure			x				
Check screw connections	x		x	x			
Record operating data	x						
Check starting sequence	x						
Check intake vacuum			x				
Check valve clearance, adjust if necessary			x				
Check spark plugs, change if necessary				x			
Replace injectors H2				x			
Adjust/check throttle valve	x			x			
Clean/ check gas filter	x			x			
Clean/ check air filter	x			x			
Clean/ check pulse pick-up	x			x			
Check coolant concentration	x			x			
Check ignition timing	x			x			
Measure crankcase pressure	x			x			
Check H2 concentration in crankcase	x						
Measure exhaust back pressure including catalytic converter	x			x			
Check emissions and lambda	x			x			
Check exhaust system for external contamination	x			x			
Check compression pressure			x				
Check/ change oil separator		x					
Check/ calibrate sensors				x			
Check/ renew exhaust gas turbocharger					x		
Clean mixture cooler					x		
Renew coolant						x	
Measure crankshaft axial clearance						x	
Check/ renew cylinder heads						x	
Check/ renew liners						x	
Check/ renew connecting rods						x	
Check/ renew connecting rod bearings						x	
Renew piston rings						x	
Check/ renew pistons						x	
Complete engine overhaul							x

*) The engine oil change intervals are determined on the basis of regular oil analyses depending on the operating conditions and the engine oil used and in strict compliance with the limit values used oil of the MAMotec GmbH to determine

***) For repairs I1, I2, the intervals are forecast and non-binding, taking into account the minimum requirements in each case to the gas quality for MAMotec industrial gas engines and operation of the engines according to TA-Luft exhaust gas limits