

# Standard Maintenance Schedule A 624TSTC

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Plan održavanja

Trabajos de mantenimiento

Plan d'entretien

Calendario di manutenzione

Onderhoudsplan

Serviceplanen

Maintenance schedule

Huoltokaavio - Tarkastus

План техобслуживания - техосмотр

Wartungsplan

维护计划

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GE imagination at work

**Maintenance work highlighted in green**

The maintenance operations highlighted in green in the maintenance plan are plant-specific and are incorporated into the customer-specific maintenance plan according to engine type and version.

**Maintenance work highlighted in blue**

The maintenance work highlighted in blue in the maintenance plan only applies to engines with gearboxes.



Maintenance plan - specific intervals

Inspection work	Number/Section	Interval	Remark
Daily inspection round	I 9003 0	daily	Carry out daily visual inspection of the module.
Generator	W 8032 A6	daily	Record bearing temperature Oil-level check / Visual Inspection
Generator	W 8034 A6	daily	Record bearing temperature Oil-level check / Visual Inspection
Grid Code	I 8030 0	daily	Inspection plan by grid code events as per the event counter in DIANE
Oil filter cartridge - engine	W 8038 M6h	daily	Replace the oil filter cartridge if the differential oil pressure warning appears on the DIA,NE.
Operational data	---	daily	Gather the operational data daily.
In-line air filter - engine	IW 8040 A6	daily	If the underpressure exceeds 2.5 kPa, you should replace the filter cartridges (but after 2,000 operating hours at the latest).
Surge suppressor	IW 8048 A0	daily	Visual inspection of the overvoltage deflectors.
Transmission	IW 8071 A0	weekly	Inspect oil level.
Ignition voltage check/ Spark plugs	IW 0309 M0 TA1400-0104	weekly < 250 oh	The result of the ignition voltage check to be carried out weekly serves as the indicator for the actual service life of the spark plug.
Lubricating oil	IW 0104 M6 TA 1000-0099A TA 1000-0099B TA 1000-0099C TA 1000-1109	For the first time after 75 oh	Depending on the fuel gas class according to TA 10001109, the first engine lubricating oil analyses can also be carried out at a later stage according to TA 1000-0099C.  The results from the engine lubricating oil analyses dictate the actual measuring intervals and oil change periods.
Crankcase ventilation	IW 0510 M6	500 oh	Differential pressure inspection
Oil filter cartridge - engine	W 8038 M6h	at every oil change	after 4,000 operating hours at the latest.
Battery	TA 1000-0050	once a month	Check the acid level. Check if the pole binders are properly secured.
control cabinet cooling device	---	once every year	Check for clogging and clean using compressed air, if necessary.
Gas and smoke alarm installation	---	Check once a year or in accordance with official regulations	(comply with official regulations).



Maintenance plan - specific intervals

Inspection work	Number/Section	Interval	Remark
Heat exchanger exhaust gas/water	I 0103 6	2.000 oh Heat Exchanger >100°C Water temp. → comply with legal regulations	Heat exchangers with a water temperature >100°C are classified as installations requiring special supervision. Before commissioning - and subsequently at regular intervals - these installations are legally subjected to inspections by certified inspection agencies (e.g. operational safety regulations, steam boiler regulations, etc.).
Cooling water	W 8080 A0 TA 1000-0200 TA 1000-0201 TA 1000-0204	according to W 8080 A0	Concentration inspection / Cooling water exchange
Condensate removal in the fuel-gas system (if part of GE Jenbacher variable scope of supply) Automatic condensate drain Automatic condensate removal	IW 8090 A0	2.000 oh at least 4 times a year	check for gas leaks
Manual condensate drains		when required	condensate drain
Exhaust gas system condensate drain line	IW 8095 A0	monthly when required	checking the condensate drain line in the exhaust gas system
Scavenging air fans	IW 8083 A6	when required 6 months or 4.000 oh 12 months or 8.000 oh	condensate drain Check motor cooling ribs for dirt deposits Check the impeller blades for dirt deposits
All pipes and components carrying fuel gas and mixtures	IW 8049 0	2.000 oh at least quaterly	Leak testing
All pipes and components carrying fuel gas and mixtures	IW 8049 0	8.000 oh at least once a year only natural gas	Leak test
Starter	W 8032 M0	10.000 oh (or 4.000 engine starts)	replace at 10.000 oh (or at a max. of 4.000 engine starts)
Exhaust gas silencer	---	six-monthly	Check the exhaust silencer and connection pieces for scaling and cracking. Leaks can be recognised by a change in colour or damage to the insulation (noise) or a slight emission of soot. Repairs may only be carried out with the manufacturer's consent!
Prelubrication pump electric motor	W 8054 M0	10.000 oh (3.000 engine starts)	after 10,000 oh or max. 3,000 engine starts - brush inspection



## Maintenance plan - specific intervals

Inspection work	Number/Section	Interval	Remark
Main crankshaft bearing/ thrust bearing:	<b>W 8050 M6</b>	30,000 oh (4,000 engine starts)	30,000 operating hours or a maximum of 4,000 engine starts
Leanox setting	<b>IW 8090 M6</b>	after commissioning	Check Leanox settings, see IW 8090 M6
		after revision	
		if required	
Battery in DIANE module	---	once every 2 years	replace
Storage battery at battery charger	---	once every 2.5 years	replace
Emissions measurement Cleaning the combustion chamber	--- <b>W 8056 M0</b>	Measure the emissions as laid down by the authorities or at least every six months	If the emission levels listed in the specification are exceeded, inspect and, if required, clean the combustion chambers.



Proper maintenance according to the maintenance plan is a condition for the acceptance of warranty claims.

The risk assessment to be performed by the plant operator and the official and quasi-official safety rules and laws may give rise to acceptance tests, inspections and maintenance operations which are not included in the Maintenance Plan. The operator is responsible for implementing and enforcing these additional measures.

The maintenance intervals are based on empirical values during average types of operation while fully complying with the manufacturer's operating and maintenance instructions. In individual cases, the specific operating conditions and other factors relating to wear may affect the actual amount of maintenance required. The manufacturer therefore reserves the right to specify different maintenance intervals in individual cases.



After the overhaul following 60,000 operating hours, the maintenance work to be carried out is repeated at the same intervals.





Please note that properly carried out maintenance work is to be acknowledged by filling in the maintenance record sheet.