

29. April 2020

Technical Notification (TN) 03-20

**Subject: Standard Inspection & Maintenance schedule for
Kaeser Feed Air Compressors.**

Models: ASD, BSD, CSD, DSD, ESD & FSD



Introduction:

This Technical Notification must be considered as an integrated part of the supplied PRISM® Membrane Nitrogen Generator System.

Note:

The service intervals herein are prepared in accordance with the intended use as Feed Air Compressor for Marine Nitrogen Generator application. Hence, any discrepancies between the service intervals herein and Kaeser documentation, these intervals shall be applied.

Regular inspection

- 1) Weekly
- 2) Up to 1000 hours

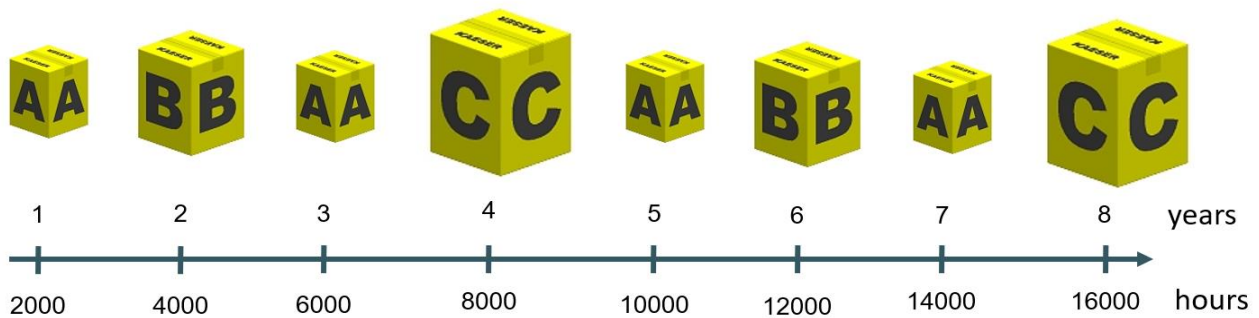
Regular inspection	1	2
Check oil level*	X	
Check the filter mat (control cabinet)**	X	
Check the condensate drain operation and condensate water condition	X	
Clean the cooler**		X
Option K1/2/3/4 – check the filter mat**		X
Check electrical connections for tightness ***		X
Check pipe & hose connections for leakages ***		X

* Check the cooling oil level with machine running under LOAD.

** Refer to maker user manual under “maintenance” for project specific details

*** After the first 200 running hours, then annually

Service Intervals Marine



* Whichever comes first.

Please see attachment 1 for spare Kit A, B, C, & D component details.

Maintenance of compressor

1. Do not fill oil between oil changes without knowing the reason for the oil consumption. Keep a log for oil filling between oil changes stating amount of oil and type of oil filled. **Only use original maker oil and grease types.**
2. The compressor needs to be started minimum once a week and to be loaded for one hour to secure that all water condensate in the oil system is evaporated.
3. Before starting the compressor after a week stand still, check the operation of the automatic drain valve below the water separator.
4. As a guideline, the running temperature of the compressor need to be minimum 50°C above the cooling media or the ambient temperature, whatever is highest.
5. Check condensate water for traces of oil after water separator daily. The condensate shall never be more than light milky white in color.
6. The maintenance intervals given are those recommended for KAESER original components with average operating conditions.
In adverse conditions, perform maintenance work at shorter intervals.
Adverse conditions are, e.g.:
 - high temperatures
 - much dust
 - high number of load changes
 - low load
7. Document all maintenance and service work.

Cautions:

- All alarms and service signals from the compressor controller must be followed.
- Only use original maker oil and grease types to avoid risk of oxidation.
- Always adjust service counter in controller when servicing the compressor.
Different installations, ambient temperature and running conditions might lead to different service schedule.
- The use of non-genuine parts or oil will make warranty void.

For Spare Parts inquiry:

Email: aftsskrs@airproducts.com

- Refer to APAS project number; (e.g. 60xxx)

Attachment 1:

KIT A Every 2000h or every year*
Filter set
Drain service unit
SIGMA FLUID S-570 10 l

KIT B Every 4000h or every 2 nd year*
Filter set
Condensate drain service-unit
SIGMA FLUID S-570 10 l
Separator cartridge

KIT C Every 8000h or every 4 th year*
Filter set
Condensate drain service-unit
SIGMA FLUID S-570 10 l
Maintenance kit, MP/C valve
Maintenance kit, inlet valve
Maintenance kit, VC valve
Maintenance kit, oil reg. val
Maintenance kit, overfl. Valve
Maintenance kit, prop. ctr.
Maintenance kit, prop. valve
Maintenance kit, pneum. valve
Separator cartridge
(models: some variations may occur -)

KIT D Every 24000h or every 12 th year*
Filter set
Condensate drain service-unit
SIGMA FLUID S-570 10 l
Separator cartridge
Overhaul kit, MP/C valve
Overhaul kit, inlet valve
Overhaul kit, VC valve
Overhaul kit, oil reg. valve
Maintenance kit, overfl. valve
Maintenance kit, prop. ctr.
Maintenance kit, prop. Valve
Drive coupling
Set of motor bearings
Control cabinet fan
Actuator
Hose line
Hose line
Control line kit
Maintenance kit, pneum. valve
Plant Exhauster fan
(models: some variations may occur)

* Whichever comes first.