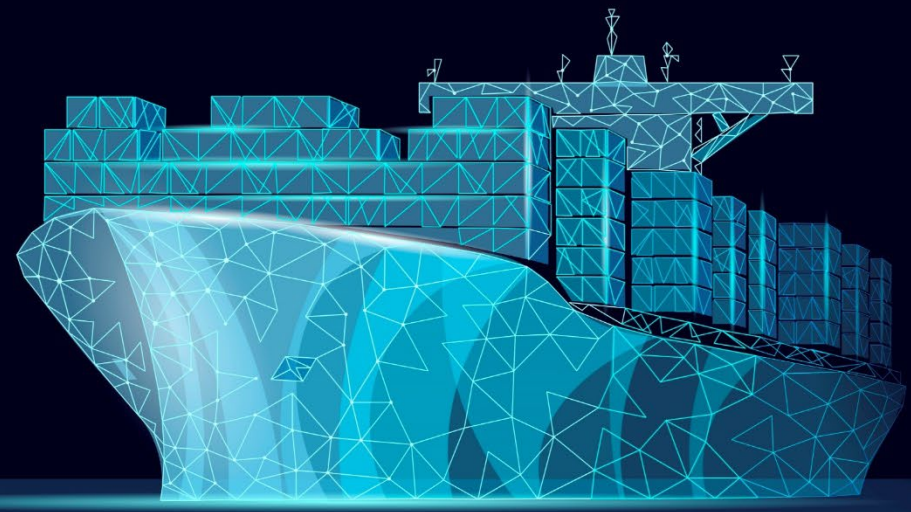
船用淨油機
維修保養攻略



26 June 2025

Separator

-Introduction & Design

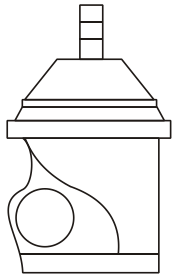
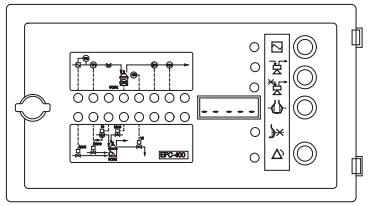
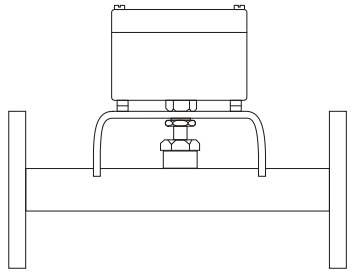
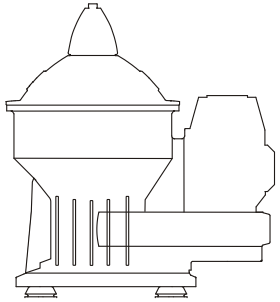
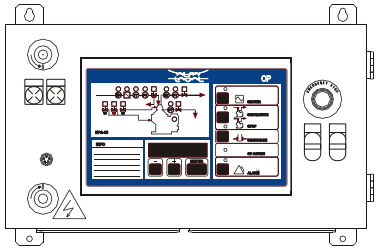
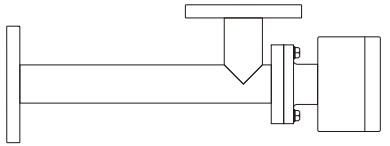
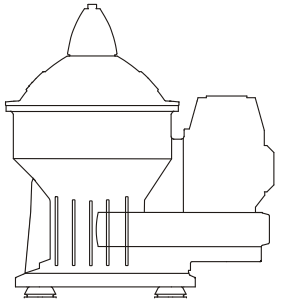
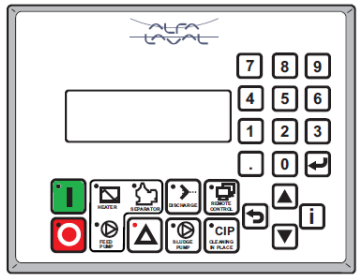
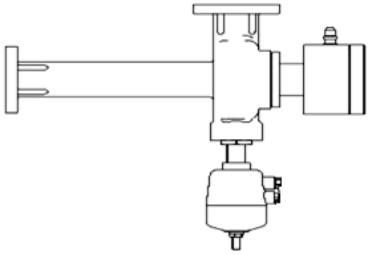
- For hard-to-clean heavy fuel oils that vary both in density and in the type of impurities

- Application:
  Distillate fuels; Biofuels (FAME, HVO); Lubricating oils

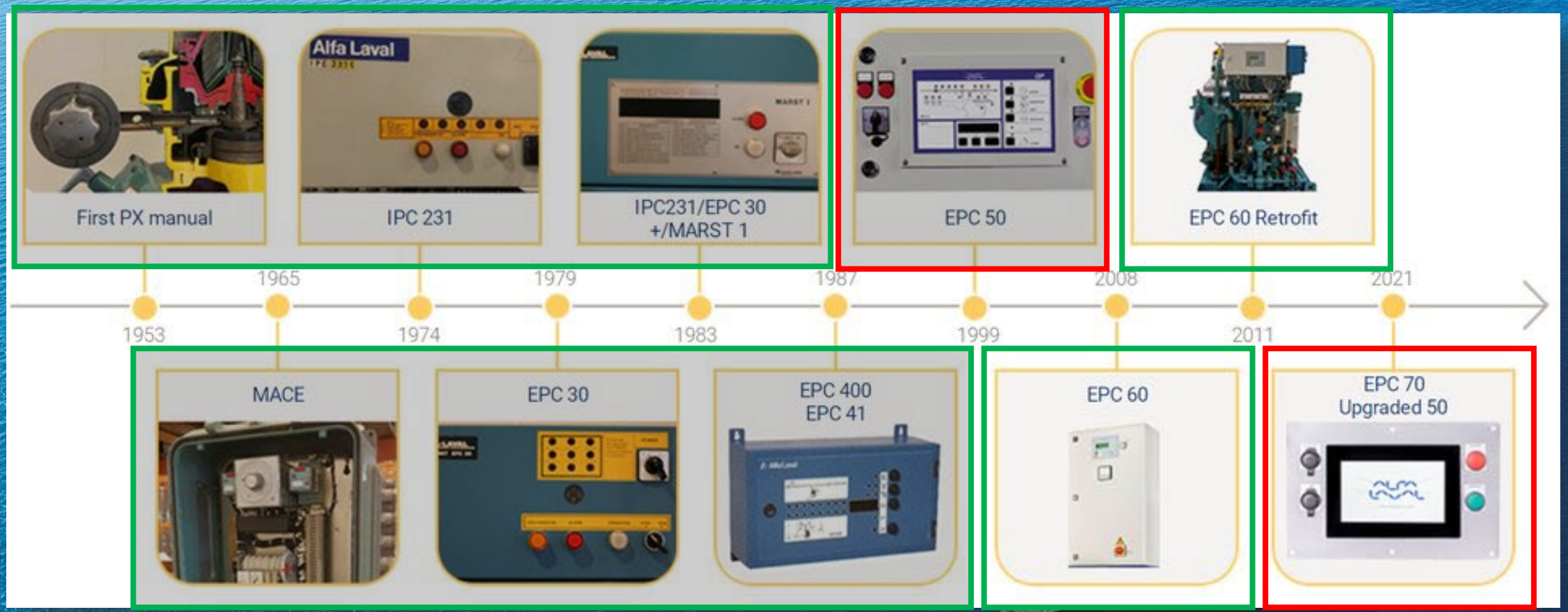
- Based on ALCAP technology
  - **A**lfa
  - **L**aval
  - **C**larify
  - **A**nd
  - **P**urify

ALCAP

- Automatic interruption-free operation
- Discharge cat fines and other solids
- Automatically discharge water
- Maximum separation Efficiency
- Minimum oil waste

Separator	Control Unit	Transducer
		
		
		

EPC
- Control System Development



EPC70 upgraded50

- State of the art control system with latest generation of components
- Available spare parts
- Reduced cost of spare parts (I/O card instead of complete electronic board)
- Easier operation & troubleshooting (touchscreen, I/O card LEDs, etc.)
- Future proof (Connectivity, software upgrade, etc.)
- Cost-effective solution!

Common Alarm

A57 - Oil Leaking from Bowl

A51 - Oil Backpressure PT4 Low

A131 - Sludge in Bowl

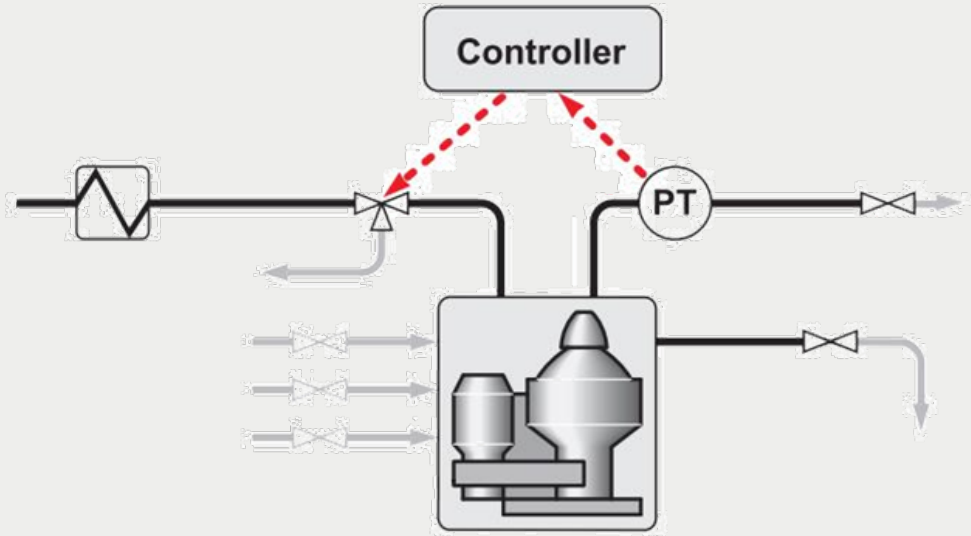
A97 - Discharge Feedback Error

A83 - Transducer No Response

A84 - High Water Content

A57

Oil Leaking from Bowl



Why

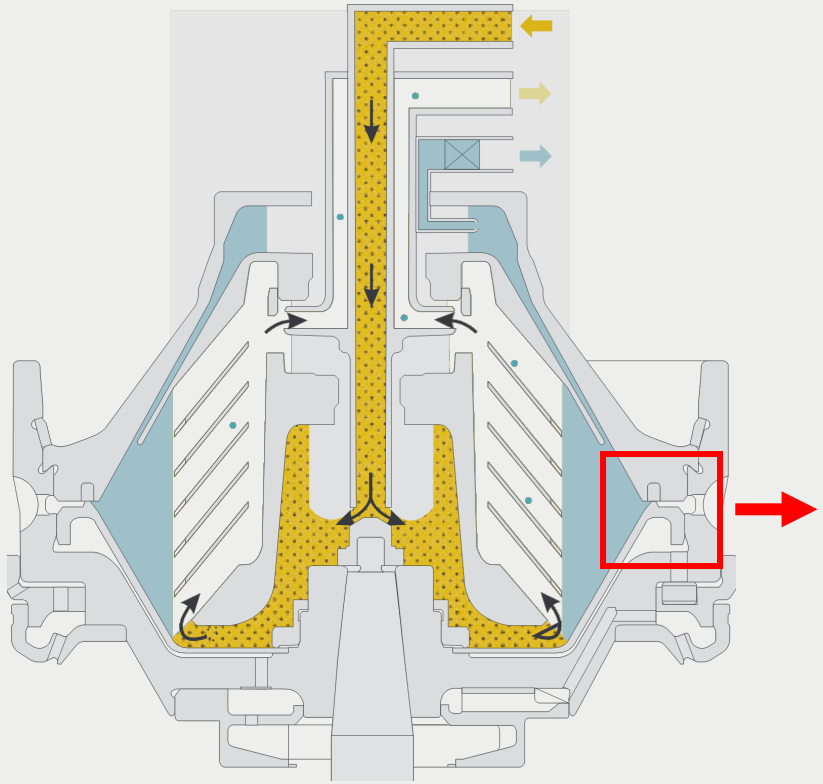
i. Bowl periphery sealing damaged
ii. Leakage somewhere in oil outlet
iii. Closing water leaking

What to do

i. Check for oil inlet (3-ways valve)
ii. Check operating water flow
iii. Check/change sealings and plugs.
iv. Check/change rubber rings and valve plugs.

A51

Oil Backpressure PT4 Low



Why

i. Decreased throughput
ii. Regulating valve open too much
iii. Change over valve V1 in recirculation position
iv. Strainer and piping in the operating water supply is clogged
v. Too little or no water in the operating water
vi. Hoses between the supply valves and separator are incorrectly fitted
vii. Nozzle in bowl body clogged. Rectangular ring in discharge slide is defective
viii. Valve plugs are defective
ix. Supply valves SV15 and SV 16 are leaking

What to do

i. Check feed pump and adjust flow
ii. Adjust back pressure valve
iii. Check air pressure, solenoid valve SV1 and output from EPC
iv. Clean the strainer and check the and check the whole system fore limestone deposits
v. Measure the water flow in the three hoses from the water block and compare with correct values
vi. Fit hoses correctly
vii. Clean the nozzle
viii. Renew the rectangular ring
ix. Renew all plugs
x. Rectify the leak

(Service Kit Recommended)

A131

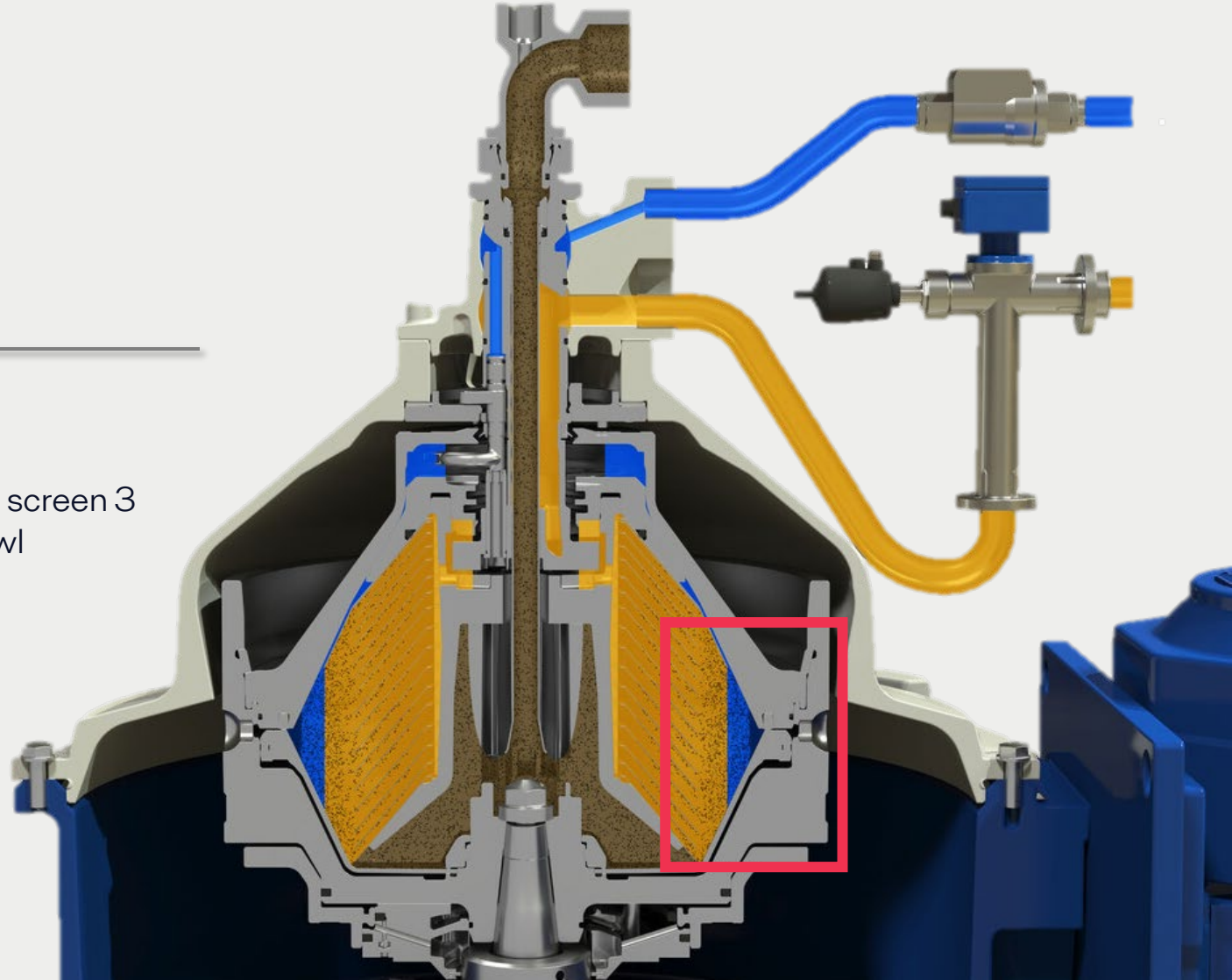
Sludge in Bowl

Why

i. Too much sludge in bowl

What to do

i. Wait until STAND STILL is indicated
ii. Investigate cause and remedy
iii. Reboot the system (Press 'yes' on the screen 3 times in a row) after cleaning the bowl



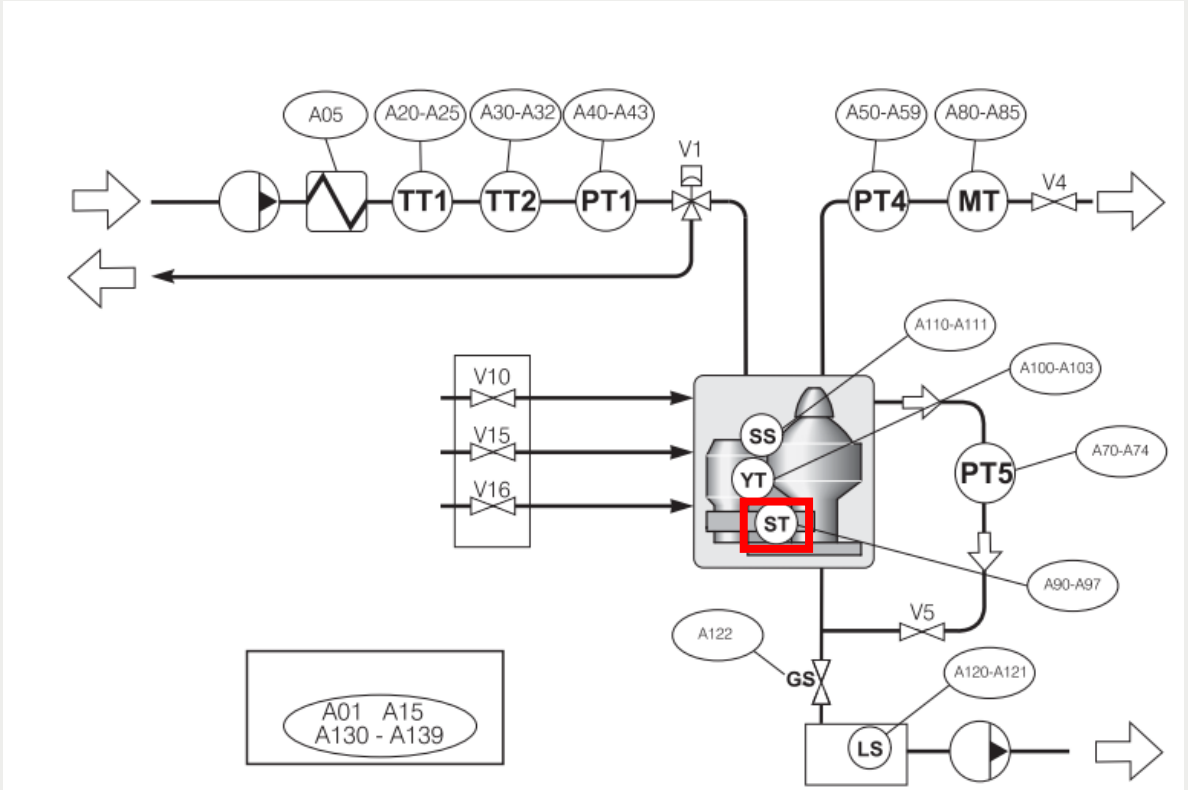
A97
Discharge Feedback

Why

i. Strainer in the operating water supply is clogged
ii. Water flow too low
iii. Hoses between the supply valves
iv. and separator are incorrectly fitted
v. Rectangular ring in the operating slide is defective

What to do

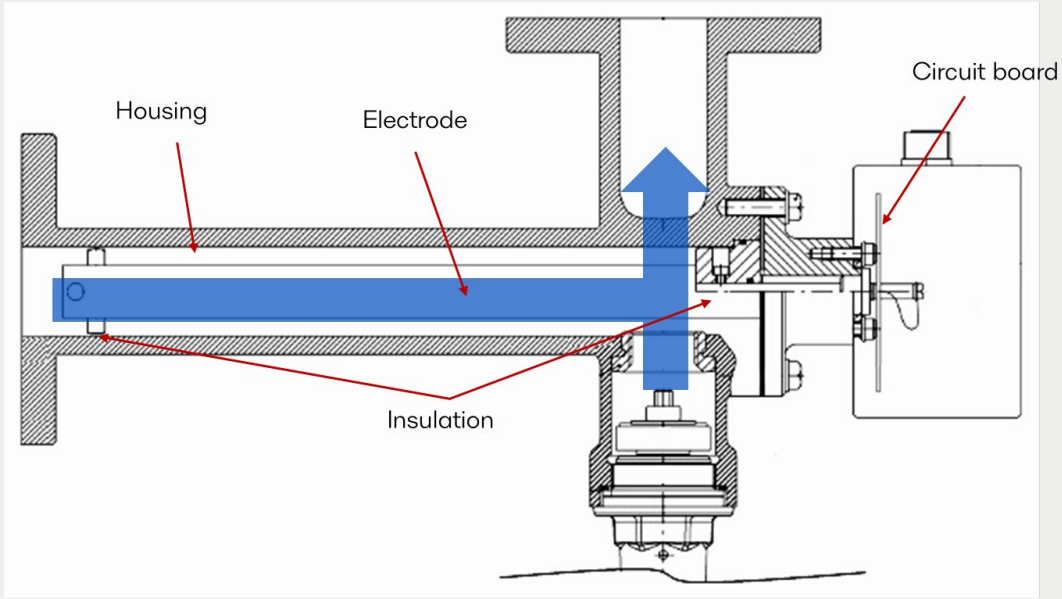
i. Clean the strainer
ii. Check opening water flow (SV 15) into the bowl
iii. Fit hoses correctly (nozzle)
iv. Replace the rectangular ring



A83

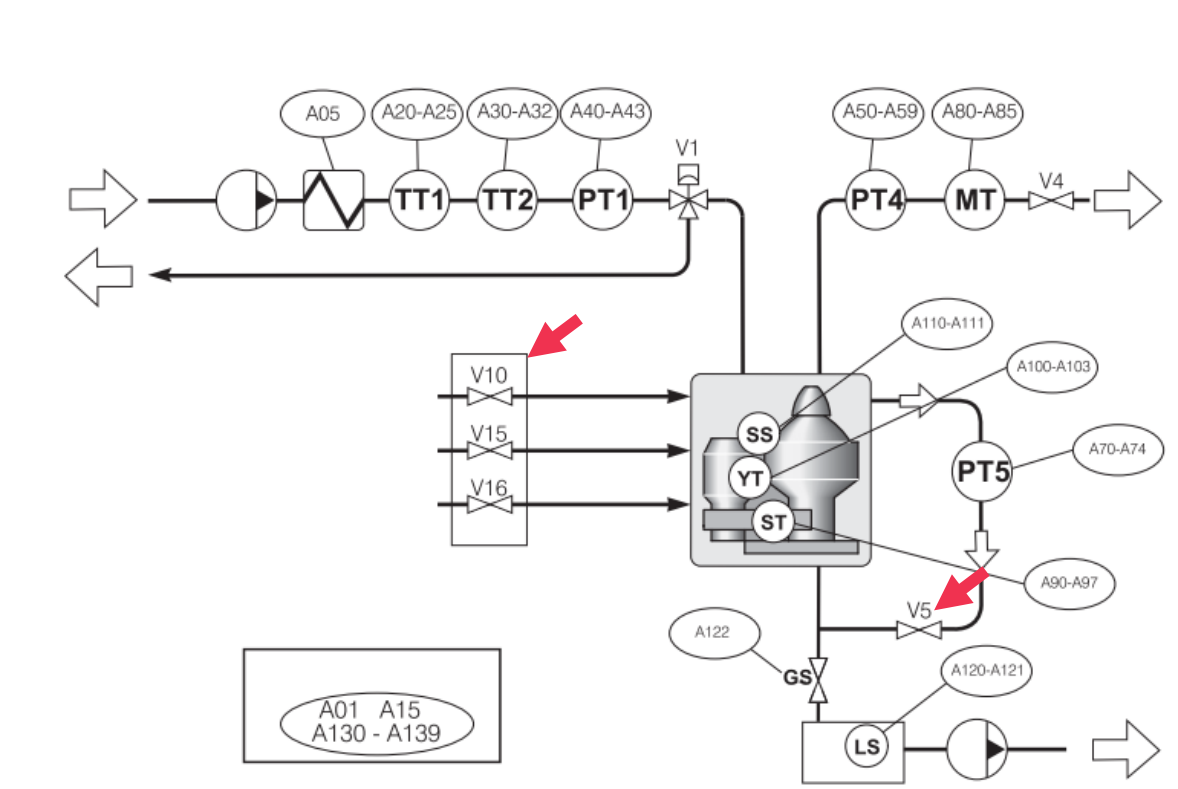
Transducer No Response

Why	MT60 test failure
What to do	Check water supply & SV10



A84

High Water Content



Why

i. Too much water in oil outlet
ii. Much water in the feed
iii. Paring tube not moving properly.

What to do

i. Investigate cause and Remedy
ii. Check where the water is coming from
iii. Check that movement is not impeded by friction

聯絡我們

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Pioneering Positive Impact