

Cyclone™ Mechanical Seal for Slurries Application Case

AIGI Cyclone™ Mechanical Seal in Acid Containing Mother Liquor Transfer Pump



The situation at the original site



The original double face mechanical seal



AIGI Cyclone™ Seal ready for installation



Installing AIGI Cyclone™ Seal

Industries

Metallurgy

User

PANGANG GROUP COMPANY LIMITED
Vanadium Product Factory,
Precipitation reduction workshop
Xichang City, Sichuan Province, China



Equipment

Acid containing mother liquor transfer pump
IHFB50-60-30-4P

Service

- Size: 40/45mm
- Temperature: 50-100°C
- Pressure: 0.6MPa
- Speed: 1475rpm, Frequent start and stop
- % Solid: 5%

Problem

The original use of double end mechanical seals, but the customer wishes to cancel flushing water.

Solution

Using AIGI Cyclone Mechanical Seal Type 318cyc, SC/SC 304 FKM HC., flushing water was removed.

Performance & Results

Since installation in June 2023, it has been running continuously for about 3 months and is well sealed.



AIGI Cyclone™ Seal in operation