

Water Contamination

Water is the 2nd leading cause of damage to the oil. Ingress of water shortens bearing life, accelerates the corrosion and causes corrosion of the metal surface, which eventually leads to equipment failure. This water is available in oil in three types (free, emulsified, dissolving) and all water types must be removed, but its removability and efficiency varies depending on viscosity and oil type.



Features and Function

- Can remove three types of water (Free, Emulsified, Soluble)
- Applicable to high viscosity oil up to 460cSt
- Can remove solid particles
- Water can be removed without depletion of additives
- Digital display for temperature, humidity, pressure and differential pressure

Standard Model

Part No.	SED-E35H2N2
Flow rate	35LPM
Power	460V 3 phase. Other specs available upon request
Filter	Pre Filter (6µm) Disk Module GooD-N Post Filter (3µm)
Dimension	W 1,000 x L 1,715 x H 1,660 mm
Weight	Approx. 650kg

Ex-Dri

High Performance Dehydration Purifier
Efficient for high viscosity oil up to 460 cSt



Performance Test

Water Removal performance 2 liter / hr

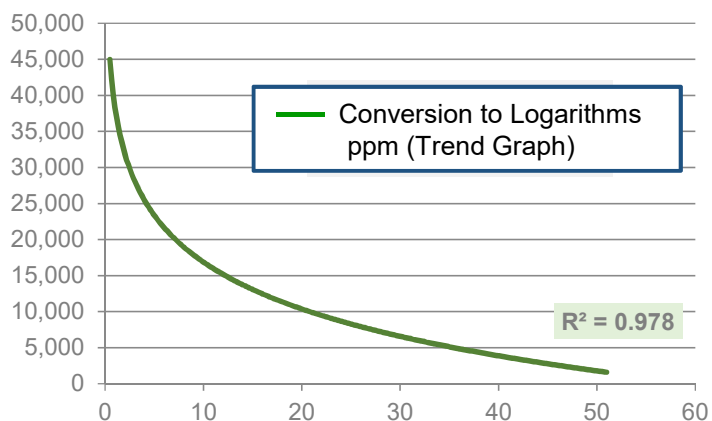
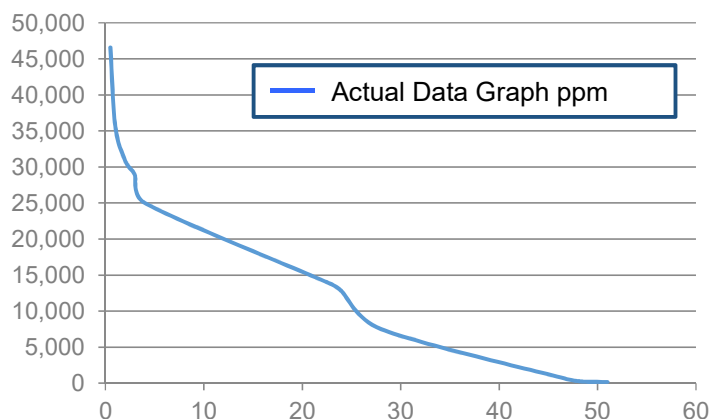
Test Condition

- Purifier Ex-Dri with 35 lpm, Dry Nitrogen Purging 60°C with 60 lpm
- Contaminants Water 10 ltr, Agitating 30 min, Target Contamination 50,000 ppm
- Measurement COMPUTRAC Moisture Analyzer

Test Result

Operating Hour	Water (ppm)	Measuring Time
0.5	46,587	10:26
1	35,647	11:30
2	30,899	12:30
3	28,851	13:30
4	24,994	14:30
23	13,693	9:30

Operating Hour	Water (ppm)	Measuring Time
24	12,749	10:30
28	7,498	14:30
47	519	9:15
48	285	10:15
49	189	11:15
51	162	13:18



#5 Sample (32ppm) #3 Sample (1,528ppm)

After 15 hours operation
[Example]