

## **ArChine Turbintech 46**

**Long-life turbine oil, suitable for industrial recycling systems**

**demanding for strict anti-rust and anti-oxidation performance**

### **Product Description:**

**ArChine Turbintech 46**, long-life turbine oil, is made of high quality base oil to ensure maintaining long-term good working condition. Special additives prevent the product occurring oxidation and decomposition phenomena in the key parts of mechanicals and ensure that the important parts will not rust and corrosion when the machinery in operation and shutdown. In addition, the defoamers ensure its anti-foam and air release performance and dispersants ensure its low temperature fluidity. In the ASTM D-943 "Turbine Oil Stability Test", the long-life turbine oil passed more than 10,000 hours test to ensure its long life.

**ArChine Turbintech 46** meet the following indicators for turbine oils (adjust viscosity grade properly):

Allis Chalmers Power System 1.3-0220,  
General Electric Steam Turbine GEK-46506C  
Gas Turbine GEK-28143A  
GEK-32568A,  
Solar ES 9-224,  
Westinghouse Steam Turbine 1L-1250-4710-B  
Gas Turbine 1L-1250-5312,  
Mil-L-17672C,  
British Standard BS 849,  
German Standard DIN 51524 Part 1 and DIN 51515,  
AFNOR NFE 48-600 HL.

### **Also meet the following industry standards:**

AGMA R, R&O Gear Oils, US Steel 126, Cincinnati Milacron P-38, P-54, P-55, P-57, P-62, Alcoa ML 523, 570, 589, 601, 606, 625, 680, 682, 686, Haglund-Denison HF-1.

### **Advantages:**

1. Unique base oil and additives to ensure its long life;

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2. Good corrosion resistance in water environment;
3. Excellent thermal stability;
4. Foam inhibitors prevent fleeing into air and foam formation at work;
5. Good hydrolytic stability in wet systems.

**Suggested Applications:**

1. Steam turbines
2. Gas turbines
3. Hydraulic system
4. Industrial gear box
5. Heat transfer system
6. Air lubrication
7. Oil circulation system
8. General machinery lubrication

**Product Data:**

<b>SAE Grade</b>	<b>ASTM Test</b>	<b>46</b>
AGAM R&O Number	-	1
Fluidity, °API	D-287	29.8
Density @ 15.6°C		0.877
Viscosity		
cSt @ 40° C	D-445	46.0
cSt @ 100° C	D-445	5.3
SUS @ 100° F	D-2161	214
SUS @ 210° F	D-2161	43.6
Viscosity Index	D-2270	97
Pour Point, °C	D-97	-21
Pour Point, °F		-5
Flash Point, °C	D92	212
Flash Point, °F	D943	413
Turbine Oil Oxidation (hour)		-
Rust Test	Passed	

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Distilled Water	Passed	
Saline		
Copper Corrosion: 3hrs @ 100°C.	1	1

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