

# PETROA



Petro Aria Co.

- Transformer oil producer
- Importer of oil testers

## PETROA



Based on the experience gained by the company's founder since 1998 about transformers and electrical insulators, the construction of the transformer oil processing and refining unit and the transformer repair and service operations began in 2004.

The company's greatest honor is activity based on the knowledge of the day and complete dominance on both topics of electricity and chemistry.

Petro Aria is established in Noavaran industrial part, Zanjan, which has served the power industry and factories in Iran and abroad for many years.

The company has now been able to carry out its duties regarding transformer oil production and repair and power plant repair on the basis of research-based knowledge and machinery. During these years, even one case of dissatisfaction and burning of the transformer has not been reported.

Our honors are honest service and free consultation to industrialists and industrial users.



- **Transformer oil deterioration factors:**
  - Penetration of humidity and water
  - High and severe temperatures
  - Oxidation and acidification of oil
  - Intake of suspended particles and impurities in oil

## PETROA

### Transformer Oil Class I

Property		Class I	Test Method
Viscosity : Kinematic (mm <sup>2</sup> /s)	40°C	8.5	ISO - 3104
Flash point:°C		140	ISO - 2719
Pour Point:°C		-30	ISO - 3016
Appearance		Clear	IEC - 296
Density @20°C(Kg/dm <sup>3</sup> )		Max 0.860	ISO - 3675
Neutralization Value (mg KOH /g)		0.01	IEC - 296
Corrosive Sulphur		Non Corrosive	ISO - 5662
Water content: (ppm)	Bulk	<b>10</b>	D-1275
	Drum	<b>15</b>	
Anti-oxidant additives		Not detectable	IEC - 666
Oxidation	Total Acidity (mgKOH/g)	0.18	IEC -
Stability	Shidge % by mass	0.14	74(110°C*164h)
Breakdown Voltage:KY (2.5 mm Gap)		B >30 A >50	IEC - 156
Total PCB content :ppm		Not detectable	IEC - 296
Dissipation Factor@90°C & 40Hz to 62 Hz		0.0025	IEC - 247
Colour		I	ASTMD - 1500



## PETROA



### Laboratory

The laboratory of Petro Aria Co. can carry out all transformer oil tests.

Having equipped the laboratory with the best devices made in leading countries of the industry, the company has been able to have one of the most valid transformer oil test laboratories.



# PETROA



Pour Point



Tang



Circole



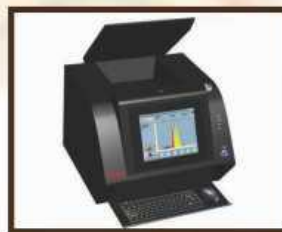
Tang



Insulating Oil Tester



Flash Point



GC

## Oil testers

Petro Aria Company is an importer of specialized laboratory testers of transformer oil, industrial oils, transformer, and other specialized laboratory devices.



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## **PETROA**

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