



THERMAL STABILITY OF HYDRAULIC OIL - (ASTM D2070, IS 11656)

Compliance Standards

ASTM D2070, IS 11656

Summary of Test Method

A beaker containing test oil, copper and iron rods is placed in an aluminum block in an electric gravity convection oven for 168 hours, at test temperature of 135°C. At the completion of the test, the copper and steel rods are rated Visually for discoloration and the oil is analyzed for the quantity of sludge.

Salient Features

Complete set-up consists of essential accessories such as **Oven, Aluminum block, 250 mL Griffin beakers, Copper test specimen, Steel test specimen**. Other optional accessories will be provided at extra cost.

Essential accessories at extra cost :

- Silicon carbide abrasive 320 grit with cloth backing @ **Rs. 450.00**
- No. 41 Whatman filter paper, 47 mm diameter, pack of 100 @ **Rs. 3650.00**
- Millipore filter, 8 micron Type SC, 47 mm diameter, pack of 100 @ **Rs. 3650.00**
- Cincinnati Milacron color chart @ **Rs. 6500.00**
- 25 mL pipette @ **Rs 6500.00**



Technical Specification

•Hot air oven

•Circuit Wiring	: Internal circuit wiring as per CE Norms
•Working size	: 60 x 60 x 60 cm (H x W x D)
•No Of Shelves	: 03 Numbers
•Rating	: 2.5 KW
•Temperature Range	: 50 °C to 250 °C
•Control Accuracy	: $\pm 1^{\circ}\text{C}$ or better
•Operation on	: 230 Volts, 50 Hz, Single Phase, AC Supply
•Exterior body	: Mild steel material

Corporate Office:

A-1301, BVR Ek, Opp. Hotel Inder Residency,
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Calibration Laboratory:

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GST TIN No. : 24AABCE4018L1ZU
I.T. PAN No. : AABCE 4018L
IEC No. : 0813026598 Dt. 04/03/2014
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TAN No. : AHME00572F



•Inner chamber	: Made of Stainless Steel S.S. 304 - mirror polished material
•Paint	: Powder coating
•Insulation	: 65mm high density Glass wool insulation to offer minimum heat loss
•Heating element	: Fitted all three sides, ensuring uniform temp distribution
•Temperature Control	: Microprocessor based Auto tune PID Digital temperature indicator cum controller
•Heater	: Sealed and enclosed heaters to working chamber for minimum heat loss
•Door lock	: Special heavy duty Stainless steel lock and door hinges with spring and roller mechanism
•Air ventilation	: Adjustable air ventilation mounted at top
•Forced Air circulation	: With built in forced air circulation arrangement for uniform heat distribution inside the working chamber

•Aluminum Block

•Overall size	: 304.8 mm Dia
•Thickness	: 139.7 mm
•Edge thickness	: 19.05 mm
•Recess diameter	: 266.7 mm
•Recess depth	: 44.45 mm
•Diameter of hole	: 76.20 mm
•Depth of hole	: 69.85 mm
•Distance from center to hole center	: 88.90 mm

•Griffin Beaker

•Capacity	: 250 ml
•Material	: Borosilicate

•Copper test specimen

•Copper	: UNS C11000, 99.9 % pure electrolytic tough pitch copper
•Diameter	: 6.35 mm
•length	: 7.6 mm

•Steel test specimen

•Carbon Steel	: AISI W 1 1 % carbon steel
•Diameter	: 6.35 mm
•length	: 7.6 mm

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