

Oxidation Characteristics – TOST

ASTM D 943 - JIS K2514 (BS 4388 obs)
 ISO 4263 pt. 1- 4
 DIN 51 587

(steam turbine oils)
 (steam turbine oils)
 (steam turbine oils)

ASTM D 2274
 ISO 12 205 - IP 388
 ASTM D 7462

(distillate fuel oils)
 (distillate fuels)
 (biodiesel)

ASTM D 2893
 ASTM D 4310 - IP 157 - JIS C2101

(extreme-pressure lubricating oils)
 (inhibited mineral oils)

Oxidation Characteristics – TOO

FTM 791c-5308 - (DIN 51 394 obs.)

(corrosiveness and oxidation of light oils)

Tables of Components

Bath Units		TOST							TOO
		ASTM D 943 JIS K2514	ISO 4263 pt.1 to 4	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b-5308.6
4-Place Dry Heat Bath (openings Ø 50 mm) 4 flow meters (0.4-6 l/h) 230 V, 50/60 Hz 115 V, 50/60 Hz	16-1416 16-1417	○	●	○		●	○		
4-Place Dry Heat Bath (openings Ø 54 mm) 4 flow meters (0.4-6 l/h) 230 V, 50/60 Hz 115 V, 50/60 Hz	16-1418 16-1419								●
4-Place Liquid Bath (openings Ø 51 mm) 4 flow meters (0.4-6 l/h) 230 V, 50/60 Hz 115 V, 50/60 Hz	16-0583 16-0584	●	●	●	●	●	●		●
4-Place Liquid Bath (openings Ø 51 mm) 4 flow meters (1.6-16 l/h) 230 V, 50/60 Hz 115 V, 50/60 Hz	16-1420 16-1421							●	
8-Place Liquid Bath (openings Ø 51 mm) 8 flow meters (0.4-6 l/h) 230 V, 50/60 Hz 115 V, 50/60 Hz	16-0581 16-0458	●		●	●	●	●		●

According to the standard: ● specified / ○ not specified but suitable / (●) recommended option

Accessories		ASTM D 943 JIS K2514	ISO 4263 pt.1 - 4	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b-5308.6
Liquid Bath Holder for 8 oil test tubes	16-0450	(●)		(●)	(●)	(●)	(●)		(●)
Liquid Bath Cooling Insert (Ø 51 x 220 mm)	25-0515	(●)		(●)	(●)	(●)	(●)	(●)	(●)
Drain Cock (fits all PETROTEST liquid baths)	16-0720	(●)	(●)	(●)	(●)	(●)	(●)	(●)	(●)
Bath Thermometer ASTM 41C / IP 81C (98 ... 152 :0.2°C officially certified)	11-0093 11-0094	(●)		(●)	(●)	(●)	(●)	(●)	(●)
Bath Thermometer ASTM 102C / IP 83C (123 ... 177 :0.2°C officially certified)	11-0247 11-0248	(●)		(●)	(●)	(●)	(●)	(●)	(●)
Bath Thermometer ASTM 103C / IP 84C (148 ... 202 :0.2°C officially certified)	11-0249 11-0250	(●)		(●)	(●)	(●)	(●)	(●)	(●)

Accessories		ASTM D 943 JIS K2514	ISO 4263 pt.1 - 4	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b- 5308.6
Vacuum Filtration Assembly (incl filters) Mains: 230 V, 50 Hz	16-0970				●	●			
Spare Filter Membrane, 0.8 um, 100 pcs.	16-0980				●	●			
Spare Filter Membrane, 0.7 um, 100 pcs.	16-0984					D 7462			

Glassware etc.		ASTM D 943 JIS K2514	ISO 4263 pt.1 - 4	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b- 5308.6
Oxidation Cell Set - ASTM D 943 etc. (4x 16-0588, 16-0589, 16-0590)	16-0586	●	pt. 1 - 3	●	●	●	●		
Condenser, Fungus-Type	16-0588	●	pt. 1 - 3	●	●	●	●		
Oxygen Inlet Tube (∅ 7 x 750 mm)	16-0589	●	pt. 1 - 3	●	●	●	●		
Oil Test Tube (∅ 46 x 600 mm)	16-0590	●	●	●	●	●	●		
Oil Test Tube "special" (∅ 44.5 x 600 mm)	16-0535				○	○			
Cell Thermometer Support	16-0572	●	●	(●)			●		
Cell Thermometer (80 ... 100 :0.1°C)	16-0573	●	●	(●)			●		
Sampling Capillary, stainless steel (559 mm x iD 1.6 / oD 2.11 mm)	16-0574	●	pt. 1 - 3	(●)			●		
Sampling Capillary Holder	16-0557	●	pt. 1 - 3	(●)			(●)		
Sampling Capillary Spacer, 10 pcs.	16-0558	●	pt. 1 - 3	(●)			(●)		
Sampling Capillary Stopper, 5 pcs.	16-0592	●	pt. 1 - 3	(●)			(●)		
Syringe, 10 ml volume (div. 0.2 ml)	16-0575	●	pt. 1 - 3	(●)			(●)		
Syringe, 50 ml volume	16-0576	●		(●)			●		
Catalyst Wire, Steel, 5 kg	16-0596	●	●	●			●		
Catalyst Wire, Copper, 5 kg	16-0597	●	●	●			●		
Wire Coiling Mandrel	16-0598	●	●	●			●		
Catalyst Coil, Copper & Steel, 12 pcs. two catalyst wires coiled together ready for use, single-packed	40-4090	(●)	(●)	(●)			(●)		
Abrasive Cloth, 100-grit, 10 pcs.	50-4025	●	●	●			●		
Oxidation Cell Set - ASTM D 2893 (4x16-0543, 1x16-0554, 4x16-0540)	16-0539							●	
Air Inlet Tube (∅ 8 x 670 mm)	16-0543		pt. 4					●	
Bored Stopper (20 pcs.)	16-0554		pt. 4					●	
Oil Test Tube (∅ 46 x 600 mm)	16-0540							●	
Oxidation Cell Set – FTM 791b-5308 (4x 16-0546, 16-0547, 16-0548, 16-0549, 50-7027, 50-7030)	16-0545								●
Air Inlet Tube (∅ 8 x 930 mm)	16-0546								●
Connection Head (68 mm)	16-0547								●
Allihn-Typ Condenser (340 mm)	16-0548								●
Oil Test Tube (∅ 50 x 500 mm)	16-0549								●
PTFE Sleeve (NS 29/32)	50-7027								●

		ASTM D 943 JIS K2514	ISO 4263 pt.1 - 4	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b- 5308.6
Glassware etc.									
PTFE Sleeve (NS 45/40)	50-7030							●	
Specimen Sheet Set, DIN 51 394	16-0550							●	
Assembly Device for specimen sheets	16-0551							●	
Emery Paper, 150-grit, 10 pcs.	13-0719							●	
Emery Paper, 240-grit, 10 pcs.	13-0720							●	
Specimen (10 sheets, 1x1x0.03"):									
Copper (401A)	40-4010							●	
Steel (401B)	40-4011							●	
Aluminum (401C)	40-4012							●	
Magnesium (401D)	40-4013							●	
Cadmium, pure (401E)	40-4014							●	
Silver, el 99.9 (401H)	40-4015								
Titanium, 8 % Mn (401J)	40-4016								
Titanium, A-70 (401K)	40-4017								
Stainless Steel 301, (401L)	40-4018								
Stainless Steel 302, (401M)	40-4019								
Tool Steel W-1, (401N)	40-4001								
Specimen Set, (401A till E), 10 sheets ea.	40-4002							●	
Specimen Set, (401A till E), 50 sheets ea.	40-4003								

		ASTM D 943 JIS K2514	ISO 4263	DIN 51 587	ASTM D 2274	ISO 12 205 IP 388 ASTM D 7462	ASTM D 4310 IP 157	ASTM D 2893	FTM 791b- 5308.6
Spare Parts									
Flow Meter Unit (0.4-6 l/h) 4-place	16-0568	●	●	●	●	●	●	●	
Flow Meter Unit (1.6-16 l/h) 4-place	16-0566						●		
Lid for dry & liquid bath test place openings	21-0721	●	●	●	●	●	●	●	
Spirit Level - Miniature	50-0001	●	●	●	●	●	●	●	
Bath-Thermometer (precision made)	11-0091	●	●	●	●	●	●	●	
<i>for dry heat bath:</i>									
Heating Element, 230 V, 2000 W 115 V, 2000 W	13-0039 13-0032	○	○	○		●	○	●	
<i>for liquid bath:</i>									
Heating Element, 230 V, 2000 W 115 V, 1000 W	25-0602 25-0603	●	●	●	●	●	●	●	
Bath Thermometer Support	13-0565	●	●	●	●	●	●	●	
Bath Thermometer ASTM 40C / IP 80C (72 ... 126 :0.2°C officially certified)	11-0091 11-0092	●	●	●	●	●	●	(●)	

According to the standard: ● required / ○ possible / (●) recommended