



Monolec® Turbine Oil

	<u>6461</u>	<u>6462</u>	<u>6463</u>
Color	Amber	Amber	Amber
Color ASTM D1500	1	1	1
ISO VG / SAE Grade	32	46	68
Relative Density @ 60°F/60°F, ASTM D1298	0.864	0.868	0.872
Viscosity @ 100°C, cSt, ASTM D445	5.14	6.82	8.83
Viscosity @ 40°C, cSt, ASTM D445	29.73	46.12	69.10
Viscosity Index ASTM D2270	95	95	95
Flash Point °C (°F), (COC), ASTM D92	228 (442)	234 (455)	238 (460)
Pour Point °C (°F), ASTM D95	-30 (-22)	-30 (-22)	-24 (-11)
Low Temperature Stability FTM 3458	Pass	Pass	Pass
Rust Test 4 hrs @ 60°C, Sea H₂O, ASTM D665B	Pass	Pass	Pass
Copper Corrosion 3 hrs @ 100°C, ASTM D130	1b	1b	1b
Oxidation by RPVOT @ 150°C, minutes, ASTM D2272	915	915	915
Oxidation by TOST hours, ASTM D943	>4,000	>4,000	>4,000
Panel Coker mg, FTM 3462	134	134	134
Four-Ball Wear @ 75°C, 1,200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.42	0.42	0.42
Ash—Sulfated %, ASTM D874	0.05	0.05	0.05
Acid Number mg KOH/g, ASTM D974	≤0.15	≤0.15	≤0.15
Emulsion Characteristics @ 54°C, oil-water-emulsion/minutes, ASTM D1401	40ml-40ml-0ml/5	40ml-40ml-0ml/5	40ml-40ml-0ml/5
Filterability wet, Stage I, ISO 13357	Pass	Pass	Pass
Foaming Characteristics @ 24°C/93.5°C/24°C, 3 sequences, ml of foam / time to break, ASTM D892	0/0, 0/0, 0/0	0/0, 0/0, 0/0	0/0, 0/0, 0/0
Air Release 9.0-90.0 cSt @ 40°C: 50°C, minutes, ASTM D3427	2.3	2.3	2.3

Performance Requirements Met or Exceeded

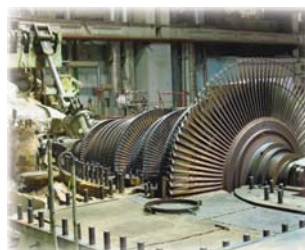
- Alstom
- Cincinnati Machine
- DIN 51524 Part 1
- General Electric
- ISO 8068 (L-TSA & L-TGA)
- MIL-H-17672D 2075 TH
- Siemens
- Solar Turbine
- USDA H2
- Westinghouse

Recommendations

- Monolec Turbine Oil is suitable for all mainline and peaking turbine applications.

Typical Applications

- Mainline steam, hydro and gas turbine generators
- Circulating oil systems
- Centrifugal compressors
- Other long-service-life applications



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