



Monolec® Turbine Oil (6471-6472)

A high-quality turbine oil that provides excellent performance in combustion turbines. Formulated using select base oils coupled with a synergistic mix of additives.

	6471	6472
Color	Amber	Amber
Color ASTM D1500	1.0	1.0
ISO VG / SAE Grade	32 / -	46 / 20
Relative Density @ 60°F/60°F, ASTM D1298	0.859	0.866
Viscosity @ 100°C, cSt, ASTM D445	5.6	6.9
Viscosity @ 40°C, cSt, ASTM D445	32.5	46.5
Viscosity Index ASTM D2270	100	100
Flash Point °C (°F) (COC), ASTM D92	215 (419)	220 (428)
Pour Point °C (°F), ASTM D97	-30 (-22)	-24 (-11)
Rust Test 4 hrs @ 60°C, Sea H₂O, ASTM D665B	Pass	Pass
Copper Corrosion 3 hrs @ 100°C, ASTM D130	1b	1b
Oxidation by RPVOT @ 150°C, minutes, ASTM D2272	1,600	1,600
Oxidation by TOST hours, ASTM D943	>10,000	>10,000
Four-Ball Wear @ 75°C, 1,200 rpm, 40 kgf, 60 minutes, mm wear, ASTM D4172	0.40	0.40
Acid Number mg KOH/g, ASTM D974	≤0.15	≤0.15
Emulsion Characteristics @ 54°C, oil-water-emulsion/minutes, ASTM D1401	40ml-40ml-0ml/5	40ml-40ml-0ml/5
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
Air Release ASTM D3427 9.0-90.0 cSt @ 40°C: 50°C, minutes	<4.00	<4.00

Performance Requirements Met or Exceeded

- AFNOR NF 48-603 part 1 HR
- AFNOR NF 48-603 part 2 HH and HL
- Alstom
- ASTM D4304
- British Standard BS 489
- Brown-Boverie
- Denison HF1
- DIN 51524 part 1
- General Electric
- Japanese Industrial Standard K 2213 type 2
- Siemens
- Solar
- Westinghouse

Typical Applications

- Combustion turbines



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LI50087 6-11 rev 4-14