



TECHNICAL DATA BULLETIN

6476 MONOLEC® EP Turbine Oil

LEADERS IN LUBRICANTS

DESCRIPTION:

A premium quality Rust & Oxidation and anti-wear oil designed specifically for use in gas, steam and hydroelectric mainline turbines driven with or without reduction gears. Made from high quality hydrotreated paraffinic base oil and additives to provide maximum oxidation resistance. Contains Monolec, LE's exclusive wear-reducing additive. Also, contains antifoaming and water separation additives.

PHYSICAL CHARACTERISTICS—TYPICAL:

ISO Viscosity Grade	32
Color	Amber
Viscosity @ 100°C, cSt	5.53
Viscosity @ 40°C, cSt	32.1
Viscosity @ 210°F, SUS	44.5
Viscosity @ 100°F, SUS	164.7
Viscosity Index, min.	100
API Gravity	32.2
Density, lbs/gal	7.206
Flash Point, °F (°C)	435 (224)
Pour Point, °F (°C)	-38 (-39)

PERFORMANCE TEST RESULTS—TYPICAL:

Rust Test, ASTM D665B	Pass
Copper Corrosion, ASTM D130	1b
Oxidation Test, Hours, ASTM D943	17,000+
RPVOT, ASTM D2272, minutes	1600
Water Separation, ASTM D1401	40-40-0 (10 min.)
Foam Test, ASTM D892	Tendency/Stability
Seq I	0/0
Seq II	0/0
Seq III	0/0
Acid Number, D664	0.23
Base number, D664	0.31
4-Ball Wear, D4172, mm	0.40
FZG, ASTM D5182, Fail Stage	11

LUBRICATION ENGINEERS, Inc.

MEETS PERFORMANCE REQUIREMENTS OF:

AAMA	51524 Part 1
ALSTOM/ABB	HTGD 90117
ASTM	D 4304
AFNOR	NF 48-603 Part 1 HR
AFNOR	NF 48-603 Part 2 HH and HL
British Standard	BS 489
Brown Boverie	HTGD 90117
Civil Works	CS-15487
Denison	HF-1
DIN	51524 Part 1
General Electric	GEK 28143A
General Electric	GEK 32568E
General Electric	GEK 46506D
General Electric	GEK 101941A
General Motors	GM LS-2
Japanese Industrial Standard	K 2213 type 2
MILITARY	MIL-L-17672D
MILITARY	MIL-L-17331H
Siemens	TLV 9013 04
Solar Turbines	ES9-224
Westinghouse	M-spec 55125Z3

APPLICATION:

For use in mainline steam turbine generators, gas turbine generators, hydroelectric turbine generators, circulating oil systems, centrifugal compressors, and other long service-life applications.

BENEFICIAL QUALITIES:

Contains Monolec, LE's exclusive wear-reducing additive,

Long service-life. Means less labor costs when changing oil or during system cleanup. Also means less turbine downtime.

Exceptional rust protection.

Best lubrication for gear, bearings, and governor-controlled mechanisms.

Prevents sludging during service.

Completely non-corrosive to turbine parts.

Rapidly separates from water.

High film strength that protects moving parts.

Special anti-wear additive that controls corrosive and scuffing wear. Assure longer life for bearings and rubbing surfaces.

High natural Viscosity Index

Effective foam suppressant

USDA H2