

D&E

Premium Turbine Oil



Features & Benefits

- Prevents corrosion
- Resists foaming
- Resists oxidation —ensures long oil life
- Wide operating temperature range
- Excellent low-temperature fluidity
- Rust and oxidation (R&O) inhibited additives
- Separates readily from water
- Safe for delicate silver-plated components

Specifications

✓ Meets Requirements ■ Suitable for use

Specifications	D&E 22	D&E 32	D&E 46	D&E 68	D&E 100	D&E 220
General Electric GEK 32568N GEK 46506E	-	✓	-	-	-	-
Solar Turbines ES9-224	-	✓	✓	-	-	-
DIN 51524-1	-	✓	✓	✓	■	-
DIN 51515-1	-	✓	✓	✓	■	-
Parker Denison HF-0 Bench Tests	-	✓	✓	✓	-	-
AIST 125	-	✓	✓	✓	✓	-
AGMA 9005 F16-RO ¹	-	✓	✓	✓	✓	■

¹ Inhibited R&O, Non-EP minimum FZG fail stage of 7

Size & Order Codes

Size	D&E 22	D&E 32	D&E 46	D&E 68	D&E 100	D&E 220
18.9 L / 5 US Gal Pail	-	F0084040	F0113740	F0084340	F0083640	-
205 L / 54.2 US Gal Metal Drum	F0001650	F0011250	-	F0011550	F0010850	F0011150
205 L / 54.2 US Gal Plastic Drum	-	F0091750	F0002050	-	F0001250	-
1000L / 264 US Gal	-	F0001860	-	-	-	-
1000L / 264 US Gal Bulk Tote	F0001660	-	-	-	-	-
Bulk	B0001601	B0001801	B0002001	B0002101	B0001201	B0001701



D&E oils are blended from high-viscosity, pure paraffinic base stocks and contain very effective oxidation and corrosion inhibitors.

D&E oils are stable, have low carbon-forming tendencies, separate quickly from water and have good air-release properties.

D&E oils are recommended for light-duty (no EP) reduction gears and circulating oil systems.

D&E ISO 32 & 46 meet the specifications of major turbine manufacturers for turbine oils in direct-drive, land-installed turbines and gas turbine lubrication.

D&E 220 is an excellent lubricant for dryer-bearing lubrication systems where filters as fine as 3 microns are sometimes used to ensure system cleanliness.



www.irvingoil.com/lubricants
1.800.574.5823

Always consult your owner's manual for verification of fluid type and grade!

Supporting data available to demonstrate acceptable performance. Check with your sales associate for latest product approvals.

Please note, these are typical performance indicators and can change without notice.

This data sheet replaces previous versions prior to June 1, 2023.

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Typical Results

Test Method	D&E 22	D&E 32	D&E 46	D&E 68	D&E 100	D&E 220
VISCOSITY (D445) cSt @ 40°C cSt @ 100°C	22.2 4.4	32.5 5.6	42.8 6.9	68.9 9.5	97.6 11.3	222.9 20.7
VISCOSITY INDEX (D2270)	107	111	119	117	102	109
DENSITY @ 15°C (D4052) (kg/L)	0.86	0.88	0.85	0.86	0.88	0.89
POUR POINT (D97) (°C)	-36	-33	-40	-36	-21	-19
FLASH POINT (D93) (°C)	195	207	223	228	217	231
OXIDATION LIFE (D943) (HRS)	7000+		5000+		2500+	
TAN (D664) (mgKOH/g)	0.04	0.04	0.11	0.11	0.05	0.09
WATER SEPARABILITY (D1401) @ 54.0°C @ 82.0°C	40/40/0 (10) -	40/40/0 (10) -	40/37/3 (10) -	40/37/3 (10) -	- 40/40/0 (10)	- 40/37/3 (15)
FOAM (D892) (ml/ml) SEQ. I @ 24.0°C SEQ. II @ 93.5°C SEQ. III @ 24.0°C	15/0 10/0 15/0	0/0 20/0 0/0	0/0 20/0 0/0	0/0 20/0 0/0	0/0 0/0 0/0	0/0 0/0 0/0



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