



Premium Turbine Oil



Features & Benefits

- Prevents corrosion
- Resists foaming
- Resists oxidation — ensures long oil life
- Wide operating temperature range
- Excellent low-temperature fluidity
- Effective oxidation & corrosion inhibitor additives
- Separates readily from water
- Safe for delicate silver plated components

Meets or Exceeds following industry standards	
Cincinnati Milacron P-38, P-55 & P-57	X
General Electric GEK 3256, GEK 107395 & GEK 36506	X
Siemens TLV 9013 04	X
Alstom HTGD ES9-224	X
DIN 51524-1; DIN 51515-1	X
Parker Denison HF-0 Bench Tests	X
AIST 125	X
AGMA 9005 E02-R0	X

D&E oils are blended from high viscosity, pure paraffinic base stocks and contain very effective oxidation and corrosion inhibitors. **D&E** oils are extremely stable, have low carbon-forming tendencies, separate quickly from water and have good air-release properties.

D&E oils are recommended for use in light duty (no EP) reduction gears and circulating oil systems. They are also excellent lubricating oils for certain rotary type air compressors and for airline oilers in pneumatic systems. Light grades of **D&E** meet the specifications of the major turbine manufacturers for turbine oils in direct-drive, land-installed turbines and for gas turbine lubrication. Heavier grade **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.

Sizes & Order Codes

D&E 22	D&E 32	D&E 46	D&E 68	D&E 100	D&E 220
18.9 L Pail/5 US GAL N/A	18.9 L Pail/5 US GAL F0084040	18.9 L Pail/5 US GAL N/A	18.9 L Pail/5 US GAL F0084340	18.9 L Pail/5 US GAL F0083640	18.9 L Pail/5 US GAL N/A
205 L/54.2 US Gal Metal Drum F0001650	205 L/54.2 US Gal Metal Drum F0011250	205 L/54.2 US Gal Metal Drum N/A	205 L/54.2 US Gal Metal Drum F0011550	205 L/54.2 US Gal Metal Drum F0010850	205 L/54.2 US Gal Metal Drum F0011150
205 L/54.2 US Gal Plastic Drum N/A	205 L/54.2 US Gal Plastic Drum F0091750	205 L/54.2 US Gal Plastic Drum F0002050	205 L/54.2 US Gal Plastic Drum N/A	205 L/54.2 US Gal Plastic Drum F0001250	205 L/54.2 US Gal Plastic Drum N/A
1000L/264 US Gal N/A	1000L/264 US Gal F0001860	1000L/264 US Gal N/A	1000L/264 US Gal N/A	1000L/264 US Gal N/A	1000L/264 US Gal N/A
Bulk N/A	Bulk B0001801	Bulk N/A	Bulk N/A	Bulk N/A	Bulk N/A



Blending & Packaging

www.irvingblend.com
1.800.574.5823

Please note, supporting data available to demonstrate acceptable performance. These are typical performance indicators and can change without notice. Check with your Sales Representative for latest product approvals. This data sheet supersedes any previous version prior to 03/13/18

D&E

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Typical Results

GRADE	22	32	46	68	100	220
AGMA GRADE			1	2	3	5
VISCOSITY (D445)						
cSt @ 40°C	23.1	32.1	46.1	68.9	100.3	222.3
cSt @ 100°C	4.4	5.3	6.9	8.8	11.2	19.8
VISCOSITY INDEX (D2270)	98	95	105	100	97	102
DENSITY @ 15 °C (D4052) KG/L	0.865	0.876	0.879	0.882	0.884	0.893
POUR POINT (°C) (D97)	-42	-30	-30	-30	-30	-20
FLASH POINT (°C) (D92)	268	220	220	254	262	295
OXIDATION LIFE (HRS) (D943)	2500 + ALL GRADES					
STRONG ACID No. (D974) mg KOH/gm	NIL ALL GRADES					
T.A.N. (D-974)	0.21	0.20	0.20	0.19	0.18	0.20
DEMULSIBILITY (54.6°C) (D1401)						
OIL	40	40	40	40	40	40
WATER	40	40	40	40	40	40
EMULSION (MIN.)	0 (5)	0 (5)	0 (5)	0 (5)	0 (5)	0 (5)
FOAM SEQ. I,II,III (D892)	0/0	0/0	0/0	0/0	0/0	0/0



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