

# factair

## Breathing, Medical, Surgical & Dental-Air Quality Testing Oil Detection Test Times for Specific Oils

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# **The Testing of Oil Contamination within Breathing Air, Medical, Surgical & Dental-Air Systems**

With the ever-increasing number of both mineral and synthetic lubricants on the market, it has become increasingly vital that Factair's Safe-Air Tester remains calibrated to provide an all-embracing test.

The current test provides a sample of approximately double the average required for all tested lubricants. This is based on the knowledge that you are validating the quality of air used in a life support system and the safety of the user is of paramount importance.

Draeger, the supplier of the 10/a-p tube used in the Safe-Air Tester, has carried out extensive research into the detection limits of these lubricants. If you are able to establish beyond all doubt the type of lubricant used within the compressor supplying the air, then the attached procedure and test procedures can be applied. If you are unable to establish the lubricant then you should use the default time as described in the instrument's operating manual. For Breathing-Air, these establish to a greater degree whether the contamination is less than the limit required by EN 12021 of 0.5 mg/m<sup>3</sup>. For Medical, Surgical and Dental-Air testing, the maximum limit in HTM02-01 and EU Pharmacopeia is 0.1mg/m<sup>3</sup>. The test times for the F3004 and F4504 are based on this lower limit.

Should this specific test provide a clear sample, then the system can be passed as acceptable in accordance with the aforementioned standards. However, a pending failure of the filtration within the breathing air system should be investigated immediately. It should be understood that the design criteria of standard breathing air filtration is to provide an oil carryover better than 0.003 ppm and that the above standard's only requires a limit of either 0.1 or 0.5 mg/m<sup>3</sup>. Therefore, for a system to fail to meet the required standard, the oil carryover would be in excess of significantly worse than its design criteria. Consider this against the fact that the Factair Safe-Air Tester provides double the sample required by the average lubricant and up to 8 times the sample required by the most reactive of the tested lubricants.

Note: For Breathing-Air it is the responsibility of the tester to validate that the system is safe to use in accordance with COSHH L5 and relevant standards, and we strongly recommend you adopt Factair's safety conscious approach as detailed above.

# INSTRUCTIONS FOR TESTING FOR SPECIFIC COMPRESSOR LUBRICANTS USING FACTAIR SAFE-AIR TESTERS

- 1 Determine the type of lubricant used within the air compressor providing the breathing, medical, surgical or dental air.
- 2 Ensure that the test sample cannot be contaminated by compressed air from an alternative source. (See note below.)
- 3 Establish the Factair Safe-Air Tester model.
- 4 Look up the test time for the appropriate tester and specific compressor lubricant.
- 5 Carry out the safe air test as per standard procedures but remove Draeger oil tube 10/a-p after test time has elapsed.
- 6 Evaluate tube as per standard procedure with failure indicated by a colour change to that indicated in the detection limit colours of the test times list.

*Note: Cross contamination can occur within an airline system that is supplied by more than one air compressor often of dissimilar manufacture and operating on a different type of lubricant.*

*Compressors that have recently had their oil type changed can leave residual contamination in filtration systems from the previous oil.*

*High-pressure air cylinders can be recharged from more than one source. It is common practice for partially discharged cylinders to be recharged, therefore with the contents of the cylinder potentially being a cocktail from several compressors, establishing the relevant oil type can prove difficult.*

# INSTRUCTIONS FOR TESTING FOR SPECIFIC COMPRESSOR LUBRICANTS

## FOR USE WITH F2000 SAFE AIR TESTER WITH TIME SELECTOR (A, B, C, & D)

- 1 Determine the type of lubricant used within the air compressor providing the breathing air.
- 2 Ensure that the test sample cannot be contaminated by compressed air from an alternative source. (See note below.)
- 5 Establish from the attached table the time required to test your particular oil.
- 6 Set the oil selection switch to one of the following settings:-
  - A – 15 mins
  - B – 7 mins 30 secs
  - C – 3 mins 45 secs
  - D – 30 mins
- 7 If the required timing for your oil does not relate to one of the above settings, select the next longest setting and remove the tube at the time listed.
- 8 If your oil does not appear on the attached table select 'A' as a default setting.
- 7 Evaluate tube as per standard procedure with failure indicated by a colour change to that indicated in the detection limit colours of the test times list.

*Note: Cross contamination can occur within an airline system that is supplied by more than one air compressor often of dissimilar manufacture and operating on a different type of lubricant.*

*Compressors that have recently had their oil type changed can leave residual contamination in filtration systems from the previous oil.*

*High-pressure air cylinders can be recharged from more than one source. It is common practice for partially discharged cylinders to be recharged, therefore with the contents of the cylinder potentially being a cocktail from several compressors, establishing the relevant oil type can prove difficult.*

**TEST TIMES FOR SPECIFIC COMPRESSOR LUBRICANTS USING DRAEGER OIL TUBE 10/A-P AND FACTAIR SAFE-AIR TESTERS – 18/08/2019**

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F4500/F4501 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
CY-6045		7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CY-6050		4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Dimethylphthalate		Not measurable				
H-515		15 µ g pale yellow	15m	7m 30s	B	37m 30s
H-537		7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
O-240		7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Stenhoj Screw Compressor Oil 46		15 µ g pale brown	15m	7m 30s	B	37m 30s
Stenhoj Stempelkompressorolie 68		7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
76 Super ATF	76 Lubricants Company	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Turbine Oil 68	76 Lubricants Company	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Agip Radula 100	Agip Schmiertechnik GmbH	15 µ g pale beige	15m	7m 30s	B	37m 30s
Alusynt 500 Plus	Aluchem	15 µ g pale yellow	15m	7m 30s	B	37m 30s
Alusynt 750 Plus	Aluchem	45 µ g pale yellow	45m	22m 30s	D	112m 30s
Anderol 3057 M	Anderol	15 µ g pale beige	15m	7m 30s	B	37m 30s
Anderol 3068	Anderol	30 µ g pale brown	30m	15m	A	75m
Anderol 402	Anderol	45 µ g pale yellow	45m	22m 30s	D	112m 30s
Anderol 495	Anderol	30 µ g pale yellow	30m	15m	A	75m
Anderol 497	Anderol	30 µ g pale yellow	30m	15m	A	75m
Anderol 555 (old name: Anderol 500)	Anderol	30 µ g yellow	30m	15m	A	75m
Anderol 750	Anderol	23 µ g yellow	23m	11m 30s	A	57m 30s
Anderol 755	Anderol	Not measurable				
Anderol AF 8000	Anderol	30 µ g yellow	30m	15m	A	75m
Anderol FGC 20	Anderol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Anderol FG XL 32	Anderol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Anderol FG XL 46	Anderol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Ingersoll Rand X-Tend FG 32	Anderol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Ingersoll Rand X-Tend FG 46	Anderol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Aral Kosmol TL 46	Aral	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Aral Kowal M 10	Aral	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Aral Montanol HE-46	Aral	15 µ g pale beige	15m	7m 30s	B	37m 30s
Aral Sulnit HM	Aral	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Aral Sumurool CM 10	Aral	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Montonal SPA 46	Aral	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Montonal HE 150	Aral	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Gardner Denver/Tamrotor screw compressor oil	Ardua ApS	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Atlas Copco Roto Injectfluid	Atlas Copco	7.5 µ g beige	7m 30s	3m 45s	C	18m 45s
HD-Rotofluid plus	Atlas Copco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
PAO Oil for LE and LT Compressors	Atlas Copco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Roto H	Atlas Copco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Roto H Plus	Atlas Copco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Roto Inject Fluid Ndurance	Atlas Copco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Roto M	Atlas Copco	7.5 µ g beige	7m 30s	3m 45s	C	18m 45s
Special PAO Oil	Atlas Copco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Roto Synthetic Fluid Ultra	Atlas Copco	10 µ g pale beige	10m	5m	B	25m
Roto Synthetic Fluid Xtend Duty	Atlas Copco	10 µ g pale beige	10m	5m	B	25m
Roto Z	Atlas Copco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Avilub VDL 100	Avia	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
N22138	Bauer-Kompressoren	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
N28355	Bauer-Kompressoren	Not measurable				
Bel-Ray No-Tox AW Lube 10	Bel-Ray Company	15 µ g pale brown	15m	7m 30s	B	37m 30s
Bel-Ray SC 115	Bel-Ray Company	15 µ g pale beige	15m	7m 30s	B	37m 30s
Boge Longlife S 46	Boge	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Boge Longlife K100	Boge	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Boge USDA H1-46	Boge	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Boge VDL 150	Boge	4.5 µ g beige	4m 30s	2m 15s	C	11m 15s
Aristol Hydrauliköl HLP 46 ISO	BP	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Bartram HVX 46	BP	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
DS 3154	BP	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Energol HD-S SAE 20 W 30	BP	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Energol IC-RG 40	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Energol RC 100	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Energol RC 150	BP	6 µ g pale beige	6m	3m	C	15m
Energol RC-R-32	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Energol RC-R-46	BP	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Energol RC-R-68	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Energol THB 68	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Enersyn RC-S 68	BP	30 µ g pale brown	30m	15m	A	75m
RC-R 100	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Transcal N	BP	15 µ g pale beige	15m	7m 30s	B	37m 30s
Turbinol X32	BP	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Visco2000	BP	7.5 µ g beige	7m 30s	3m 45s	C	18m 45s
Visco Diesel	BP	6 µ g pale brown	6m	3m	C	15m
Castol Non-Detergent Motor Oils SAE 30	BP Lubricants	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Rivolta SK V2	Bremer-Lequill	Not measurable				
BroomWade 4000 HR	Broomwade (Fuchs)	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
White Oil Pharma 68	Caltex	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Aircol MR 46	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Aircol PD 46	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Aircol PD 68	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Aircol PD 100	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Aircol SN 100	Castrol	30 µ g yellow	30m	15m	A	75m
Castrol Aircol SN 68	Castrol	30 µ g yellow	30m	15m	A	75m
Castrol Honilo 982	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Hyspin AWS 32	Castrol	15 µ g pale beige	15m	7m 30s	B	37m 30s
Castrol Hyspin AWS 46	Castrol	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Castrol Perfecto T 32	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Castrol Product 9104	Castrol	15 µ g yellow	15m	7m 30s	B	37m 30s
Castrol Tribol 890	Castrol	30 µ g pale yellow	30m	15m	A	75m
Castrol Universal Tractor Fluid	Castrol	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Castrol Vitalube HS 46	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Tribol 943 AW/ 32-Oil ISO NP-6200	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
TXT Softec + 5W/40	Castrol	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Chevron Automatic Transmission Fluids:	Chevron	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Chevron GST Oil (CA-9301)	Chevron	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Chevron GST Oil (CA-9302)	Chevron	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Chevron GST Oil 68	Chevron	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Chevron Lubricating Oil FM ISO 32	Chevron	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Chevron Lubricating Oil FM ISO 46	Chevron	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Chevron Tegra Synthetic Compressor Oil ISO 32	Chevron	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Chevron Turbine Oil GST ISO 68	Chevron	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CZ-20	Cisco Air	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Citgo A/W Hydraulic Oil 68	Citgo Petroleum Corp	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Citgo A/W Hydraulic Oil 100	Citgo Petroleum Corp	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Reavellite S	CompAir	30 µ g pale yellow	30m	15m	A	75m
Reavellite W	CompAir	30 µ g pale yellow	30m	15m	A	75m
CompAir 4000	CompAir (Fuchs)	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CompAir Airlube 4000 ISO 46	CompAir (Fuchs)	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Hydovane Fluidforce Red 2000	CompAir (Fuchs)	15 µ g pale beige	15m	7m 30s	B	37m 30s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
MD Blue Energy	CompAir Druckluft GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Dynairoil S	CompAir Luchard	Not measurable				
ML 73	CompAir Luchard	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Rotoroil	CompAir Luchard	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CP-4600-32-F	Compressor Care	15 µ g pale beige	15m	7m 30s	B	37m 30s
CP-4614-F Series	CPI Engineering, Inc	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CP-4624-68-F	CPI Engineering, Inc.	15 µ g pale brown	15m	7m 30s	B	37m 30s
Food Grade Silicone Aerosol, 3040	CRC Chemicals	Not measurable				
Sullair AWF	D-A Lubricant Company	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Sullube 32	Dow Chemical Company	Not measurable				
Dow Corning (R) 360 Medical Fluid	Dow Corning Corporation	Not measurable				
Dow Corning (R) High Vacuum Grease	Dow Corning Corporation	Not measurable				
2303086: mineral oil 2.5 L	Draeger	4.5 µ g beige	4m 30s	2m 15s	C	11m 15s
2303094: mineral oil 20 L	Draeger	4.5 µ g beige	4m 30s	2m 15s	C	11m 15s
U10822: Synthetic Oil 1L	Draeger	45 µ g yellow	45m	22m 30s	D	112m 30s
U10823: Synthetic Oil 5L	Draeger	45 µ g yellow	45m	22m 30s	D	112m 30s
Drilube # 822	Drilube Company	Not measurable				
Ecool	Ecoair	Not measurable				
Elfolna DS 32	Elf	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Emulself Bio FCW	Elf	15 µ g pale brown	15m	7m 30s	B	37m 30s
Dacnis VS 46	Elf Lubricants	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Donax (R) TD Fluid	Equilon Enterprises	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Specialoil 95 EP	Erhard Bürk-Kaufmann GmbH	3 µ g pale beige	3m	1m 30s	C	7m 30s
Compressor Oil 46	Esso	15 µ g pale beige	15m	7m 30s	B	37m 30s
Exxcolub 32	Esso	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Exxcolub 46	Esso	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Pegasus 705	Esso	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Lubrifiant Special Compressor a vis	Esso	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Synesstic 100	Esso	45 µ g yellow	45m	22m 30s	D	112m 30s
Teresso 46	Esso	15 µ g pale beige	15m	7m 30s	B	37m 30s
Teresso 77	Esso	15 µ g pale beige	15m	7m 30s	B	37m 30s
Thermaloil T-HT 350	Esso	4 µ g pale brown	4m	2m	C	10m
Vacmul O3D FR UK	Esso	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Verdichteröl 3021N VDL 100	Esso	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Turbo Oil 2380	Exxon	Not measurable				
Mobil DTE 15 M	Exxon Mobil	15 µ g pale beige	15m	7m 30s	B	37m 30s
Mobil DTE Oil Extra Heavy	Exxon Mobil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil DTE Oil Light	Exxon Mobil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil DTE Oil Medium	Exxon Mobil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Muto H 68	Exxon Mobil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Teresso 32	Exxon Mobil	15 µ g pale beige	15m	7m 30s	B	37m 30s
Fenwick 2000	Fenwick	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Fluidair Rotalife	Fluidair International Ltd	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Petro Canada Purity FG Compressor Lubricant 46	Fragol Schmierstoff GmbH + Co KG	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Alub Blue P	Fuchs Dea Schmierstoff GmbH	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Alub Blue S	Fuchs Dea Schmierstoff GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Renolin VCL 100 DD	Fuchs Dea Schmierstoff GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Renolin VDL 150 DD	Fuchs Dea Schmierstoff GmbH	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Titan EM 530 DC	Fuchs Europe Schmierstoffe GmbH	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Renolin Sintofluid	Fuchs IDF Lubrificants Industrie	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s
Fluid Force Red 2000	Fuchs Lubricants	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Ratak GM 2324	Fuchs Lubricants	10 µ g pale brown	10m	5m	B	25m
Renolin CO/S 150	Fuchs Lubrifiants Industrie	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Lubarep AR 1001	Galp	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
AEON 3000	Gardner Denver	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
AEON 4000	Gardner Denver	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
AEON 6000 FG	Gardner Denver	15 µ g pale brown	15m	7m 30s	B	37m 30s
AEON 9000 SP	Gardner Denver	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Compressor Oil 68	Gardner Denver	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
F 2105 (AEON 3000)	Gardner Denver	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
GAO 46 P	Gulf Atlantic Equipment	15 µ g pale beige	15m	7m 30s	B	37m 30s
Circol 46	HAFA	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Palatinol M	Herberts Austria GmbH	Not measurable				
Houghto-Quench 290	Houghton Deutschland GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Houghto-Quench 455	Houghton Deutschland GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Cetus DE 100	Hydro Texaco	30 µ g yellow	30m	15m	A	75m
Cetus PAO 46	Hydro Texaco	15 µ g pale beige	15m	7m 30s	B	37m 30s
Compressor Oil EP VD-L68	Hydro Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Regal EP 46	Hydro Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
SJ 27	Hydro Texaco	Not measurable				
Ursa Super LA 15W-40	Hydro Texaco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Premium SAE 20	Ideal Chimic	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Daphne Super CS 100	Idemitsukosan Co	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
All Seasons T30 Select	Ingersoll Rand	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Ingersoll Rand X-Tend Food Grade	Ingersoll Rand	10 µ g pale brown	10m	5m	B	25m
OCV Zero-Fluid	Ingersoll Rand	Not measurable				
Original SSR Coolant	Ingersoll Rand	30 µ g pale yellow	30m	15m	A	75m
XL-700	Ingersoll Rand	45 µ g pale yellow	45m	22m 30s	D	112m 30s
SL 200	Ingersoll-Rand	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
SSR H-IF Coolant	Ingersoll-Rand	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
SSR Ultra Coolant	Ingersoll-Rand	Not measurable				
Techtrol Gold	Ingersoll-Rand	Not measurable				
VWR 19	Inland Vacuum Industries	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Kaesar Sigma Fluid FGL 9.1463.0, 9.1462.0	Kaesar Compressors	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Kaesar Sigma Fluid MOH 9.0922.0, 9.0924.0	Kaesar Compressors	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Kaesar Sigma Lubricant FG-460	Kaesar Compressors	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Sigma S-460	Kaesar Compressors	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Sigma-Fluid MOL	Kaesar Kompressoren	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Sigma-Fluid Plus	Kaesar Kompressoren	7.5 µ g beige	7m 30s	3m 45s	C	18m 45s
Sigma M-460	Kaesar Kompressoren	15 µ g pale beige	15m	7m 30s	B	37m 30s
Syncolube Iso 100	Kernite	15 µ g pale beige	15m	7m 30s	B	37m 30s
Neystone 140 Plus	Keystone Lubricants	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Klüber-Summit Hy Syn FG 46	Klüber Lubrication	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Klüber-Summit Hy Syn FG 68	Klüber Lubrication	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Klüber-Summit Hy Syn FG 100	Klüber Lubrication	15 µ g pale beige	15m	7m 30s	B	37m 30s
Klüber-Summit SH-100	Klüber Lubrication	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Klüber Tyreno Fluid M-100 V	Klüber Lubrication	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Foodslip CP Oil 60	Krafft	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Multifleet SCD 10W	Kroon Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Q8 Auto 14	Kuwait Petroleum	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Q8 Haydn 32	Kuwait Petroleum	15 µ g pale brown	15m	7m 30s	B	37m 30s
Q8 Haydn 46	Kuwait Petroleum	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Q8 Heller 46	Kuwait Petroleum	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Q8 Scarlatti 46	Kuwait Petroleum	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Q8 Schumann 32	Kuwait Petroleum	3 µ g pale-yellow-beige	3m	1m 30s	C	7m 30s



Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Q8 Schumann 46	Kuwait Petroleum	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Q8 Schumann 68	Kuwait Petroleum	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Q8 Schumann 150	Kuwait Petroleum	10 µ g pale brown	10m	5m	B	25m
Q8T 100	Kuwait Petroleum	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
DBE (Dibasic-Ester)	Lembro	Not measurable				
LW 9001	Lenhardt & Wagner GmbH	45 µ g yellow	45m	22m 30s	D	112m 30s
LM 500 Compressor Oil SAE 30	Liqui Moly	30 µ g yellow	30m	15m	A	75m
LM 750 Compressor Oil SAE 40 (Draeger: U10822/U10823)	Liqui Moly	45 µ g yellow	45m	22m 30s	D	112m 30s
LM750	Liqui Moly	45 µ g yellow	45m	22m 30s	D	112m 30s
6403 Monolec R & O Compressor/Turbine Oil	Lubrication Engineers	15 µ g pale beige	15m	7m 30s	B	37m 30s
6203 Monolec air compressor oil	Lubrication Engineers Pty Ltd	4.5 µ g light beige	4m 30s	2m 15s	C	11m 15s
Mainlube 115	Mainlube Superior Maintenance Lubricants Pty Ltd	4.5 µ g light beige	4m 30s	2m 15s	C	11m 15s
Rotoroil 8000 F2	Mattei	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Megol Kompressorenöl VCL 100	Meguin GmbH	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Paraffin Highly Liquid	Merck	15 µ g pale brown	15m	7m 30s	B	37m 30s
MIL'S MP 100	MIL'S	15 µ g pale beige	15m	7m 30s	B	37m 30s
Compoil FM46S	Mobil Oil	15 µ g pale beige	15m	7m 30s	B	37m 30s
Ingersol Rand Pro-Tec Compressor Fluid	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Aero HFA	Mobil Oil	30 µ g yellow	30m	15m	A	75m
Mobil Delvac 10W40	Mobil Oil	10 µ g pale brown	10m	5m	B	25m
Mobil Delvac 1220	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Delvac 1230	Mobil Oil	15 µ g beige	15m	7m 30s	B	37m 30s
Mobil Delvac 1310	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Delvac 1330	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil Delvac 1340	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil DTE 11 M	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil DTE 24	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil DTE 25	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil DTE 26	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil DTE FM 32	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil DTE Oil Heavy	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobil DTE Oil Heavy Medium	Mobil Oil	4 µ g pale brown	4m	2m	C	10m
Mobilgear 629	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Jet Oil II	Mobil Oil	Not measurable				
Mobil Jet Oil 254	Mobil Oil	Not measurable				
Mobil Rarus 425	Mobil Oil	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Mobil Rarus 427	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Rarus 429	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Rarus 826	Mobil Oil	30 µ g pale yellow	30m	15m	A	75m
Mobil Rarus 827	Mobil Oil	30 µ g pale yellow	30m	15m	A	75m
Mobil Rarus 829	Mobil Oil	Not measurable				
Mobil Rarus SHC 1024	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Rarus SHC 1025	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Rarus SHC 1026	Mobil Oil	15 µ g pale beige	15m	7m 30s	B	37m 30s
Mobil SHC 629	Mobil Oil	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Mobil Turbine Oil Light	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Mobilmet 443	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mobil Vacuoline 128	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Rotair 2000	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Rotair 3000	Mobil Oil	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Vacmul XLM 10	Mobil Oil	15 µ g pale beige	15m	7m 30s	B	37m 30s
Whiterex 309 E	Mobil Oil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
SCWO 4000	Mobil Oil BV	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Airforce 2000 ISOVG 46	Morris Lubricants	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Airforce 4000 ISOVG 68	Morris Lubricants	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Motorex Swisscut Frisco 71	Motorex (Bucher)	15 µ g pale beige	15m	7m 30s	B	37m 30s
Schraubenkompressorenöl	Nilius Kompressoren	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Nytro 10 GB	Nynas Naphthenics	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Oest Hydrauliköl H-LP 46L	Oest Mineralölwerk GmbH & Co	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Omega 613	Omega Manufacturing Division Magna Ind Co	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
OMV Comp VDL 150	OMV AG	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Copo 100	Optimol Ölwerke Industrie GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Optilub C30	Optimol Ölwerke Industrie GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Boelube 70104	Orelube Corporation	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
PN 9068	Ovoline Lubrication	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
ACE Mineral Spirits	Parks Corporation	Not measurable				
Compressor Oil AC 46	Peak Lubricants Pty Ltd	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
COF 1000-100	Petro Dynamics	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Sullair SRF II/8000	Petro-Canada	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Isodop 1523 S	Petrofer-Chemie	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Marquench 325	Petrofer-Chemie	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Vergüteöl 9022	Petrofer-Chemie	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Petro Draw 187 C	Petron Corporation	15 µ g pale beige	15m	7m 30s	B	37m 30s
B* ACR2	Prolutec SA	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Quaker State FCI AW Hydraulic Oil ISO Grade 46	Quaker State Corporation	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
QuinSyn	Quincy Compressor	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
QuinSyn F	Quincy Compressor	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Repsol Merak VDL 100	Repsol	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Ridgid Mineral Thread Cutting Oil	Ridge Tool Company	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Sapphire HI-Power Range	Rocol Lubricants	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Poly Guard FDA	Royal Purple	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
America's Choice Automatic Transmission Fluid Type F	Safety Kleen	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
# 184 Micron Moly ® HTC SAE 5W-30	Schaeffer Manufacturing Co	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Wintershall Wiolan DW 46	Schmierstoffraffinerie Salzbergen GmbH	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Aero Shell 555	Shell	Not measurable				
Aeroshell Fluid 4	Shell	30 µ g yellow	30m	15m	A	75m
Aseol Plus 16-120	Shell	15 µ g pale beige	15m	7m 30s	B	37m 30s
B 4090	Shell	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Ondina 68	Shell	6 µ g pale brown	6m	3m	C	15m
Shell Argina T 40	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Cassida Fluid CR 46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Cassida Fluid VP 100	Shell	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Shell Comptella S 150	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Comptella S 46	Shell	6 µ g pale beige	6m	3m	C	15m
Shell Comptella S 68	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena Oil AP 68 (old name: Shell Madrela Oil AP 68)	Shell	30 µ g pale beige	30m	15m	A	75m
Shell Corena AP 100	Shell	Not measurable				
Shell Corena AS 46	Shell	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Shell Corena AS 68	Shell	10 µ g pale brown	10m	5m	B	25m
Shell Corena CH 46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena D46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena H 68	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena P 100	Shell	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Shell Corena P 150 (Draeger: 2303086/2303094)	Shell	4.5 µ g beige	4m 30s	2m 15s	C	11m 15s
Shell Corena P 68	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena S 37	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena S 46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Corena S 68	Shell	7.5 µ g beige	7m 30s	3m 45s	C	18m 45s
Shell Diala Öl G	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Ensis engine oil 30	Shell	7.5 µ g pale brown	7m 30s	3m 45s	C	18m 45s
Shell Garia 9603 M-15	Shell	15 µ g pale brown	15m	7m 30s	B	37m 30s
Shell Macron 9401 M-5	Shell	15 µ g pale brown	15m	7m 30s	B	37m 30s
Shell Macron 9801 M-15	Shell	15 µ g pale brown	15m	7m 30s	B	37m 30s
Shell Madrela Oil AP 68 (new name: Shell Corena Oil AP 68)	Shell	30 µ g pale beige	30m	15m	A	75m
Shell Madrela Oil AS 46	Shell	15 µ g pale beige	15m	7m 30s	B	37m 30s
Shell Ondina 15	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Rimula X 20W-20	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Tellus HD 68	Shell	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Shell Thermia B	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell Turbo Öl T 46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Shell V-Oil 1404	Shell	15 µ g pale beige	15m	7m 30s	B	37m 30s
Tellust 46	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Turbo Oil T 32	Shell	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s
Turbo Oil T 46	Shell	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s
Turbo Oil T 68	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Vitreia M 220	Shell	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Turbilo 46	Sogimair	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s
HSL 4620	Some Industries	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
CompWay 68	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CompWay S 100	Statoil	15 µ g pale beige	15m	7m 30s	B	37m 30s
CompWay SX 32	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
CompWay SX 46	Statoil	15 µ g pale beige	15m	7m 30s	B	37m 30s
GlideWay 68	Statoil	15 µ g pale beige	15m	7m 30s	B	37m 30s
HydraWay HM 32	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
HydraWay HM 68	Statoil	15 µ g pale beige	15m	7m 30s	B	37m 30s
HydraWay HV 46	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mereta 68	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Power Way 15W-40	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Synesttic 68	Statoil	30 µ g yellow	30m	15m	A	75m
Turb Way 32	Statoil	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
24KT Compressor Fluid	Sullair	Not measurable				
Sullube 32	Sullair	Not measurable				
Palasyn 45	Sullivan-Paratek	15 µ g pale beige	15m	7m 30s	B	37m 30s
SH 46	Summit Ind Products	15 µ g pale beige	15m	7m 30s	B	37m 30s
SL 46	Summit Ind Products	15 µ g pale beige	15m	7m 30s	B	37m 30s
Refrigeration Oil	Sun Company, Inc	4.5 µ g pale brown	4m 30s	2m 15s	C	11m 15s
Sunvis 900 ISO VG 32	Sun Oil Company	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
SYN-FLO 80XP	SYN-FLO Inc	15 µ g pale beige	15m	7m 30s	B	37m 30s
Atlas Copco	Texaco	6 µ g pale brown	6m	3m	C	15m
Compressor Oil EP VD-L46	Texaco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Compressor Oil EP VD-L68	Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Compressor Oil EP VD-L100	Texaco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Cygnus PAO 46	Texaco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Mercon/Dexron III	Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Rando HD 32	Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Rando HD 68	Texaco	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Regal R & O 68	Texaco	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Ursa Super FE 10W-30	Texaco	15 µ g pale beige	15m	7m 30s	B	37m 30s

Description	Manufacturer	Detection Limit	Safe-Air Tester			Medic-Air Tester F3004 / Multi Air Tester (Medical tests) F4504
			All 25-minute test models	F2000/2001 F3000/3001 F4000/F4001 F6000/F6001 F6100 13-minute test	F2000 Selectable Test	
Dacnis P68	Total Fina Elf	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Dacnis P100	Total Fina Elf	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Dacnis SH 46	Total Fina Elf	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
FINA ® EOLAN ® AC 100	Total Fina Elf	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
FINA ® EOLAN ® AC 150	Total Fina Elf	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Total Cortusa 46	Total Fina Elf	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Preslia 32	Total Lubrifiants	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Preslia 68	Total Lubrifiants	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Fina Kappa TDE SAE 10 W	Total Raffinage Distribution	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Total Aerogear 823	Total Raffinage Distribution	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Total Azolla ZS 32	Total Raffinage Distribution	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Total Cortusa 68	Total Raffinage Distribution	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Total Preslia 46	Total Raffinage Distribution	15 µ g pale beige	15m	7m 30s	B	37m 30s
Airlube 228	Ultrachem	10 µ g pale brown	10m	5m	B	25m
Chemlube 230	Ultrachem	15 µ g yellow	15m	7m 30s	B	37m 30s
Chemlube 268	Ultrachem	15 µ g pale brown	15m	7m 30s	B	37m 30s
Chemlube 501	Ultrachem	15 µ g pale yellow	15m	7m 30s	B	37m 30s
Chemlube 800	Ultrachem	Not measurable				
EZ-1000	Undersea Breathing Sys	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Compressor VRD 46	Unil Opal	4.5 µ g pale beige	4m 30s	2m 15s	C	11m 15s
Ecosyn CP 40	WIPA Chemicals Intl	7.5 µ g pale beige	7m 30s	3m 45s	C	18m 45s
Altair 2000	Worthington Creyssensac	15 µ g pale beige	15m	7m 30s	B	37m 30s
WF 370	Wynn's France	10 µ g pale brown	10m	5m	B	25m
York J	York International	Not measurable				

**Test times for new oils are regularly added to the above schedule. The latest information can be accessed via our web site: [www.factair.co.uk](http://www.factair.co.uk) enter Products & Services, Respiratory Safety, Test Instrumentation and then Air Quality Analysis.**