

DYNAMO ELECT+ ISO 150

Designed to meet challenges

Dynamo Elect+ ISO 150 is high quality compressor oil designed to deliver the lubrication performance for high pressure reciprocating compressors. It is suitable for most reciprocating air compressors running at up to 220°C discharge temperatures at elevated pressures.

1. Performance, Features & Benefits

- Long oil life – Maintenance saving

Dynamo Elect+ ISO 150 allows the interval between valve and piston maintenance to be extended under certain applications. Compressors can be kept in service for much longer periods, operating at a consistently high level of efficiency.

Extended maintenance capability is supported by resistance to formation of carbon deposits and lacquer on valves and piston crowns at high working temperatures and pressures.

- Outstanding wear protection

Dynamo Elect+ ISO 150 helps provide effective protection of internal metal surfaces from corrosion and wear to help prolong the life of critical parts such as bearings and pistons.

- Maintaining system efficiency

Dynamo Elect+ ISO 150 helps prevent the formation of carbon deposits and lacquer on valves and piston crowns at high working temperatures and pressures. These can cause serious damage, lower compressor efficiency and increase maintenance costs. In addition, Dynamo Elect+ ISO 150 has good water separation to help prevent accelerated corrosion, facilitating easy condensate draining.

- Enhancing air line safety

In discharge air-lines, the combination of rust particles, dispersed in carbonaceous deposits, coupled with heat from recently compressed air, can cause a reaction leading to the possibility of fires and explosion. Dynamo Elect+ ISO 150 helps to minimize the likelihood of this danger.

2. Main Applications



- Reciprocating air compressors

Dynamo Elect+ ISO 150 is suitable for use in industrial reciprocating air compressors operating with air discharge temperatures of up to 220°C.

- Breathing air compressors

Dynamo Elect+ ISO 150 may be used in breathing air compressors, provided subsidiary clean-up apparatus is used to ensure that the air produced is fit for breathing.

3. Specifications, Approvals & Recommendations

- DIN 51506 VBL
- ISO 6743-3A L-DAB
- ISO 6743-3A-L DAA Normal Duty

For a full listing of equipment approvals and recommendations, please consult your Edmac sales contact.

4. Compatibility & Miscibility

- Seal Compatibility

Dynamo Elect+ ISO 150 oil is compatible with all sealing materials commonly used in air compressors.

5. Typical Physical Characteristics



| Properties | | | Method | Shell Corena S2 P 150 |
|---|--------|--------------------|-------------|-----------------------|
| ISO Viscosity Grade | | | ISO 3448 | 150 |
| Kinematic Viscosity | @40°C | mm ² /s | ASTM D445 | 155 |
| Kinematic Viscosity | @100°C | mm ² /s | ASTM D445 | 12.1 |
| Density | @15°C | kg/m ³ | ASTM D1298 | 902 |
| Flash Point (COC) | | °C minimum | ASTM D92 | 210 |
| Pour Point | | °C | ASTM D97 | -30 |
| Neutralisation Value | | mg KOH/g | ASTM D974 | 0.3 |
| Sulphated Ash | | % m | DIN 51575 | 0.06 |
| Oxidation Stability (delta CCR) | | % m | DIN 51352-2 | 2.3 |
| Properties Of The Distillation Residue (20%) - Carbon Residue (C) | | % m | DIN 51551 | 0.3 |
| Properties Of The Distillation Residue (20%) - Kinematic Viscosi | @40°C | mm ² /s | DIN 51562 | 280 |
| Rust Prevention - Synthetic Sea Water | | degree | ASTM D665B | Pass |
| Water Separability | @54°C | min | ASTM D1401 | - |
| Water Separability | @82°C | min | ASTM D1401 | 20 |

These characteristics are typical of current production. Whilst future production will conform to Edmac's specification, variations in these characteristics may occur.

6. Health, Safety & Environment

- Health and Safety

Dynamo Elect+ ISO 150 is unlikely to present any significant health or safety hazard when properly used in the recommended application and good standards of personal hygiene are maintained.

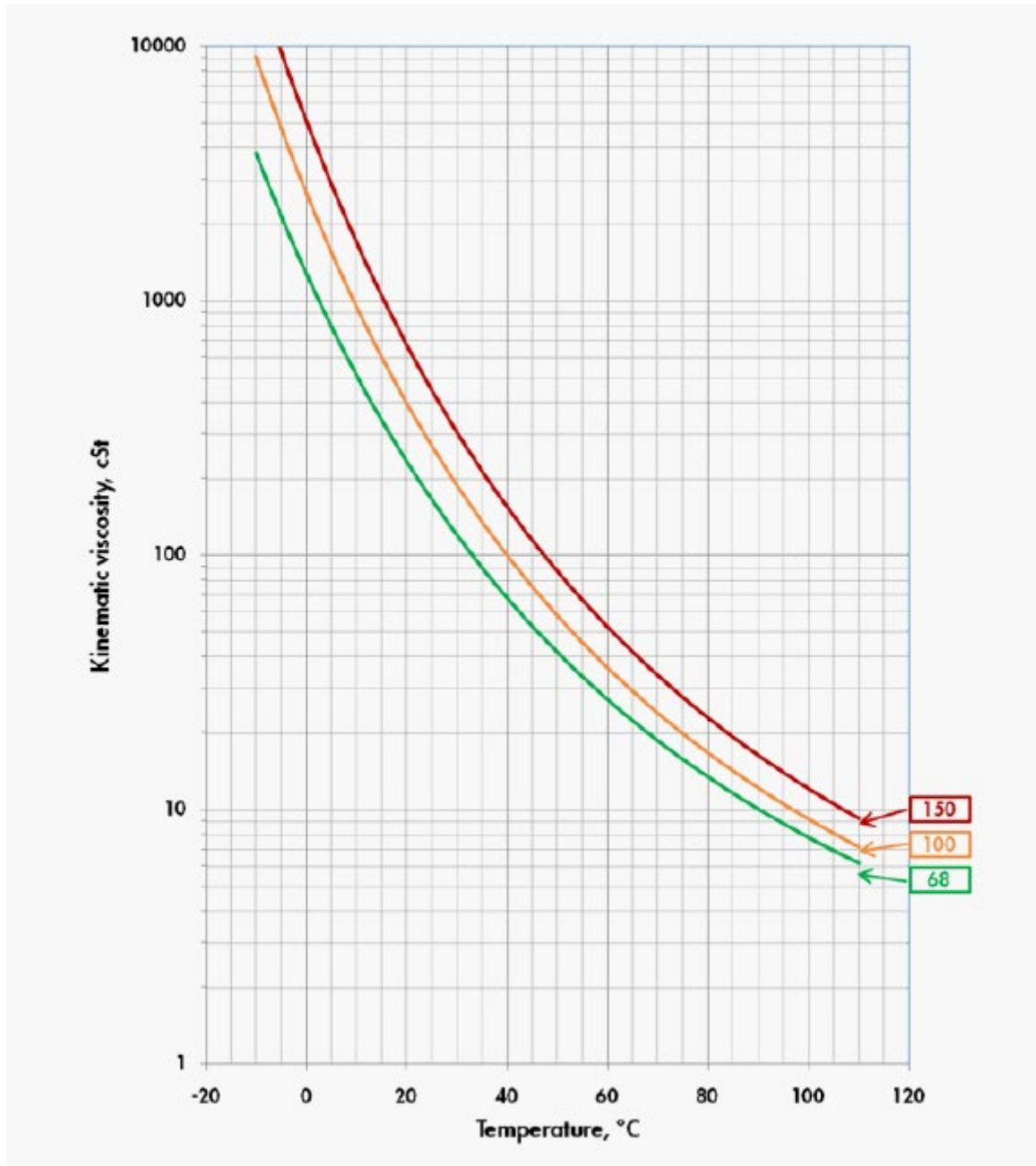
Avoid contact with skin. Use impervious gloves with used oil. After skin contact, wash immediately with soap and water. Guidance on Health and Safety is available in the Material Safety Data Sheet, which you can ask your Edmac sales person for.

- Protect the Environment

Take used oil to an authorized collection point. DO not discharge into drains, soil or water.

7. Additional information

- Viscosity temperature diagram for D Dynamo Elect+ ISO 150



Ask your Edmac sales contact for advice on applications not covered here.