

SERVICE SOLUTIONS



## HIGH PERFORMANCE WITH EXTEND 110

[edwardsvacuum.com/en/service-solutions](http://edwardsvacuum.com/en/service-solutions)



A **high-quality ester oil** made from **improved and safe formulation**, EXTEND 110 improves your pumps' energy efficiency and reduces the wear of critical parts.

SERVICE SOLUTIONS FOR VACUUM

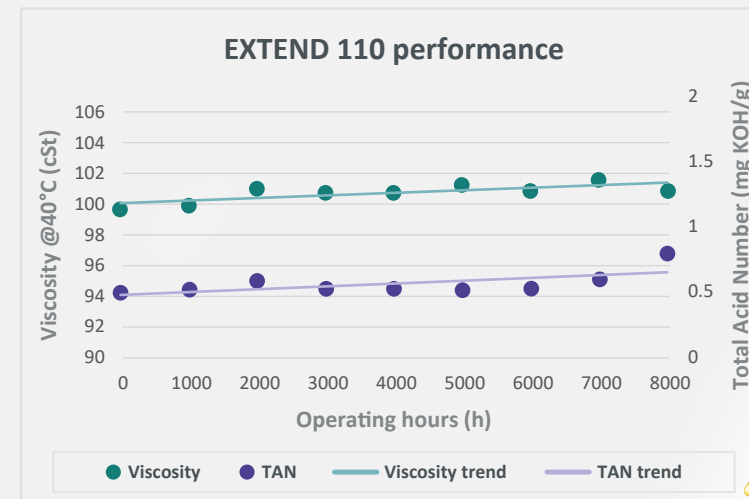
It takes a special oil, like EXTEND 110, to **ensure effective performance of your nES and EDS pump**. This special formulation features premium base oil stock quality. EXTEND 110 **reduces energy and maintenance costs**. Thanks to our improved and **safe formulation**, you don't need to undertake complex and hazardous checks and reviews.

## EXTEND 110 technical information

Viscosity at 40°C	102 cSt
Viscosity at 100°C	10.4 cSt
Flash point	above 260°C
Pour point	-24°C
Density at 20°C	0.950

## EXTEND 110 stable performance

Analyses conducted in cooperation with IESPM SAS and OELCHECK GmbH.



\*Oil exchange period for standard application after 8000 hours.

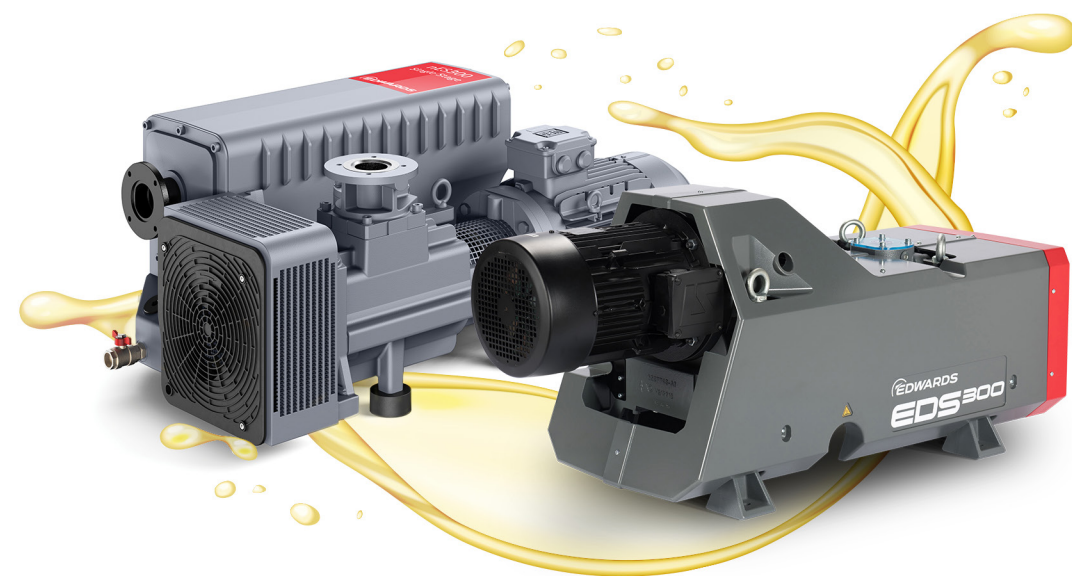
## Understanding viscosity and TAN

Viscosity is defined as the oil's resistance to flow. If the oil viscosity is too low, it will not create the proper lubrication seal the pump requires. This can lead to loss of efficiency due to leakage or flow reversal. If the oil viscosity is too high, it will restrict flow and cause lubricant starvation in essential areas resulting in added wear and physical damage.

Total Acid Number (TAN) increases as the oil oxidises. This can cause oil degradation and as a result the internal components do not receive adequate protection. The wrong combination of additives can cause a sudden, uncontrolled surge of the TAN. Specific additives of EXTEND 110 help maximise oil life time by keeping the TAN and viscosity level under control and stable.

## Ordering Information

Oil name	Volume	Part number
ULTRAGRADE EXTEND 110	1L	H11032010
	5L	H11032015





## • **EXTEND 110** advantages •



### **Lasts 2x longer compared to mineral oil**

EXTEND 110 offers high thermal resistance to cracking compared to many mineral oils.



### **Energy efficiency**

Energy savings due to stability of oil behaviour and stable operation.



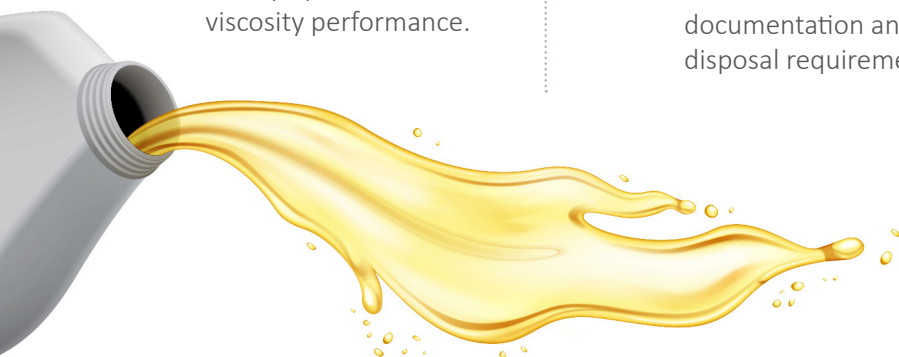
### **Less wear of parts**

Less wear of your pump components due to steady operation and viscosity performance.



### **Safe oil**

Made with non-hazardous ingredients, there are no concerns with complex documentation and strict disposal requirements.



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