

Certificate of Analysis



ENEOS Europe Limited.
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United Kingdom

Product : **ENEOS X 0W-20 Ultra**

Batch Number : PO2212243

Production date : 11-08-2022

Analysis Description	Method	Unit	Minimum	Values	Maximum	Frequency #1
Density 15°C	: ASTM D-7042	g/cm3		0,8435		
Flash Point	: ASTM D-92	°C	200	218		
Kinematic Viscosity at 40°C	: ASTM D-445	cSt		43,04		
Kinematic Viscosity at 100°C	: ASTM D-445	cSt	7,865	8,310	9,300	
Viscosity Index	: ASTM D-2270			172		
CCS at -35°C	: ASTM D-5293	mPa.s		5209	6200	
MRV viscosity at -40°C	: ASTM D-4684	mPa.s		20700	60000	12M
HTHS viscosity 150°C	: ASTM D-4683	mPa.s	2,6	2,67		12M
Pour Point	: ASTM D-97	°C		-45	-36	
Total Base Number (HClO4)	: ASTM D-2896	mgKOH/g		8,6		
Colour	: ASTM D-1500			L2,5		
Foaming (Seq II)	: ASTM D-892	ml/ml		30/0	50/0	
NOACK (250°C, 1h)	: ASTM D-5800	wt%		12,9	15,0	6M
Calcium (Ca)	: ASTM D-6481	Mass%	0,0689	0,0835	0,0929	
Magnesium (Mg)	: ASTM D-4951	Mass%	0,0631	0,0741	0,0883	
Molybdenum (Mo)	: ASTM D-4951	Mass%		0,0046		
Phosphorus (P)	: ASTM D-6481	Mass%	0,0595	0,0686	0,0795	
Sulfur (S)	: ASTM D-6481	Mass%		0,228	0,500	
Appearance	: Visual			#2		

Remarks:

#1 This shows the test frequency of interval test. (M: month) "Blank" shows every lot test
#2 Clear and bright, with no evidence of water or undissolved material.

Quality Control Laboratory

Date: 23-08-2022
Signature: Laboratory Eurol BV

From above results this product meet the performance level described in the product information

This certificate has been prepared with care and to the best of our knowledge as part of the quality assurance system. However it does not relieve the customers of their obligation to inspect the receipt or establish any warranties to third parties, to whom it might be passed on.
No additional warranty of any kind, expressed or implied, is linked hereto.