



Quality standard MOL-LUB 50823

## MOL Farm Protect E9 15W-40 multigrade diesel motor oil

### Quality specification

Characteristics [Unit]	Requirements	Method
Appearance	bright, clear	Visual
Kinematic viscosity at 100 °C [mm <sup>2</sup> /s]	12.50 - 16.30	MSZ EN ISO 3104:1996
Viscosity index	min. 130	MSZ ISO 2909:1999
Apparent viscosity (CCS) at -20°C [mPa.s]	max. 7000	ASTM D 5293-04
Apparent viscosity (MRV) at -25 °C [mPa.s]	max. 60000	ASTM D 4684-02a
HTHS viscosity [mPa.s]	min. 3.90	CEC L-36-A-90
Pour point [°C]	max. -36	MSZ ISO 3016:1999
Flash point (Cleveland) [°C]	min. 225	MSZ EN ISO 2592:2002
Noack volatility [mass %]	max. 12.0	CEC L-40-A-95
Sulphated ash [mass %]	max. 1.0	ISO 3987:1994
Foaming characteristics SI		ISO 6247:1998 cor 1:1990
- foaming tendency SI [cm <sup>3</sup> ]	max. 10	ISO 6247:1998 cor 1:1990
- foam stability SI [cm <sup>3</sup> ]	max. 0	ISO 6247:1998 cor 1:1990
Foaming characteristics SII		ISO 6247:1998 cor 1:1990
- foaming tendency SII [cm <sup>3</sup> ]	max. 20	ISO 6247:1998 cor 1:1990
- foam stability SII [cm <sup>3</sup> ]	max. 0	ISO 6247:1998 cor 1:1990
Foaming characteristics SIII		ISO 6247:1998 cor 1:1990
- foaming tendency SIII [cm <sup>3</sup> ]	max. 10	ISO 6247:1998 cor 1:1990
- foam stability SIII [cm <sup>3</sup> ]	max. 0	ISO 6247:1998 cor 1:1990
Water content [mass %]	max. 0.025	MSZ EN ISO 9029:1999
Mechanikai szennyezettség vizsgálata [mass %]	max. 0.01	MOL-LUB M-204:2022
Shear stability		CEC L-14-A-88
- kinematic viscosity at 100°C after 90 cycles [mm <sup>2</sup> /s]	min. 12.50	CEC L-14-A-88
Sulfur content [mass %]	max. 0.400	ASTM D 4951-02
Phosphorus content (ICP) [mass %]	max. 0.120	ASTM D 4951-02
*Zinc content [mass %]	min. 0.080	DIN 51391-3
Base number (BN) [mg KOH/g]	min. 9.0	MSZ ISO 3771:1998

**STORAGE:** storage temperature max. 40°C  
Keep away from moisture, direct sunlight or any kind of contaminants.