

Quality standard MOL-LUB 50769

MOL Dynamic Mistral 5W-30 synthetic diesel motor oil

Quality specification

Characteristics [Unit]	Requirements	Method
Appearance	bright, clear	Visual
Kinematic viscosity at 100 °C [mm ² /s]	9.30 - 12.50	MSZ EN ISO 3104:1996
Viscosity index	min. 150	MSZ ISO 2909:1999
Pour point [°C]	max. -40	MSZ ISO 3016:1999
Flash point (Cleveland) [°C]	min. 215	MSZ EN ISO 2592:2002
Apparent viscosity (CCS) at -30°C [mPa.s]	max. 6600	ASTM D 5293-04
Noack volatility [mass %]	max. 11.0	CEC L-40-A-95
HTHS viscosity [mPa.s]	min. 3.50	CEC L-36-A-90
Apparent viscosity (MRV) at -35 °C [mPa.s]	max. 60000	ASTM D 4684-02a
Sulphated ash [mass %]	max. 1.00	ISO 3987:1994
Sulfur content (RFS) [mass %]	max. 0.30	ASTM D 6481-99(2004)
Phosphorus content (RFS) [mass %]	max. 0.080	ASTM D 6481-99(2004)
Base number (BN) [mg KOH/g]	min. 10.0	MSZ ISO 3771:1998
Foaming characteristics SI		ISO 6247:1998 cor 1:1990
- foaming tendency SI [cm ³]	max. 10	ISO 6247:1998 cor 1:1990
- foam stability SI [cm ³]	max. 0	ISO 6247:1998 cor 1:1990
Foaming characteristics SII		ISO 6247:1998 cor 1:1990
- foaming tendency SII [cm ³]	max. 20	ISO 6247:1998 cor 1:1990
- foam stability SII [cm ³]	max. 0	ISO 6247:1998 cor 1:1990
Foaming characteristics SIII		ISO 6247:1998 cor 1:1990
- foaming tendency SIII [cm ³]	max. 10	ISO 6247:1998 cor 1:1990
- foam stability SIII [cm ³]	max. 0	ISO 6247:1998 cor 1:1990

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Shear stability		CEC L-14-A-88
- kinematic viscosity at 100°C after 90 cycles [mm ² /s]	min. 9.30	CEC L-14-A-88
Water content [mass %]	max. 0.025	MSZ EN ISO 9029:1999
Content of mechanical impurities [mass %]	max. 0.010	EN 12662:1999

STORAGE: storage temperature max. 40°C

Keep away from moisture, direct sunlight or any kind of contaminants.

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