

Castrol Alpha BMB

CLPF type gear oils

Description

The Alpha BMB range are high-performance gear oils with solid lubricant additives (molybdenum disulphide / MoS₂). They fulfill the requirements of the DIN 51517-3, and qualify as CLPF type gear oils in accordance with DIN 51502. The MoS₂ additives are matched specially to the base oil and other additives, so that a stable suspension can be achieved with the highest efficiency over a broad load range. The remarkable properties of these gear oils results in a neutral behaviour with nonferrous heavy metals and seals, a high thermal loading capacity, good ageing stability and an unusually good protection against corrosion.

Typical Characteristics

Test	Method	Unit	BMB 100	BMB 220	BMB 320	BMB 460	BMB 680	BMB 1200
Colour			Black					
Density at 15 °C	DIN 51757	g/ml	0.887	0.893	0.895	0.898	0.902	0.917
Viscosity Index	DIN ISO 2909		93	90	94	95	94	101
Viscosity 40 °C	DIN 51562	mm ² /s	99.1	220	320	457	681	1198
Viscosity 100 °C			10.9	19	23.8	30.3	38.7	59.6
Flash point COC	DIN ISO 2592	°C	226	230	268	270	284	260
Pourpoint	DIN ISO 3016	°C	-27	-24	-12	-9	-6	-9
Neutralization number	DIN 51558-1	mg KOH/g	0.32					
Oxide ash	DIN EN ISO 6245	Gew. %	<0.1					
Ageing characteristics :								
Tost test	DIN 51587	mgKOH/g	<2.0					
Increase n.n. after 1000 h								
Corrosiveness	DIN ISO 7120 DIN 51355 DIN EN ISO 2160	Korr. Grad.	0 - A 0 - A/B 1 - 100 A 3					
on steel								
on copper								
FZG test A/8,3/90	DIN 51354-2	SKS	>12					
FZG test A/16,6/140	DIN 51354-2	SKS	>12					
Foaming characteristics at 24°C	ISO 6247	ml	<50/0					

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