

Balmerol® Protomac SP

Superior Quality Industrial Gear Oil

Product Data Sheet

Product Description

Balmerol Protomac SP is premium quality all-purpose Industrial Gear oils. Balmerol Protomac SP is blended from carefully selected paraffinic base stocks and combination of synergistic additives to achieve good load carrying properties, excellent lubricity and superior oxidation resistance. It is compatible with normal seal materials. Balmerol Protomac SP meets AGMA 9005-E02, DIN 51517, David Brown S1.53.101 US Steel 222 and 224, IS 8406 and IPSS 1-09-033 specifications. Selected viscosity grades also conform to Cincinnati Milacron and other OEM specifications.

Applications

Balmerol Protomac SP is recommended for lubrication of all types of circulation, spray, and splash or dip bath lubrication mechanisms. For achieving best performance, Balmerol Protomac SP is recommended to be used up to 110°C. Balmerol Protomac SP is recommended for use in all conventional types of gears, sliding mechanisms, chain drives and flexible couplings, as also for use in mechanisms operating under heavy/shock loads and vibrations. Balmerol Protomac SP can be filtered or centrifuged without the loss of additives and are thus suitable for use in continuous recirculation systems incorporating filters. Balmerol Protomac SP is available in eight standard ISO Viscosity grades.

Availability

Balmerol Protomac SP is available in drum and pail.

Typical Data

Balmerol Protomac SP (Superior Quality Industrial Gear Oil)										
No	Characteristics	Method	68	100	150	220	320	460	680	1000
1	Appearance	Visual	Clear & Bright							
2	Colour	ASTM D 1500	L 1.5							
3	Kinematic Viscosity @ 40°C (cSt)	ASTM D 445	68	100	150	220	320	460	680	1000
4	Kinematic Viscosity @ 100°C (cSt)	ASTM D 445	9	11.7	15.5	20	26	33	43	55
5	Viscosity Index	ASTM D 2270	105							
6	Flash Point, COC (°C)	ASTM D 92	210	210	230	230	230	230	230	230
7	Copper Strip Corrosion, 3 hrs @ 100°C	ASTM D 130	1b max							
8	Foaming Test									
	a	Sequence I (ml)	5 / 0		25 / 0		50 / 0			
	b	Sequence II (ml)	25 / 0		50 / 0		75 / 0			
	c	Sequence III (ml)	5 / 0		25 / 0		50 / 0			
9	Pour Point (°C)	ASTM D 97	-6							
10	FZG Test	ISO 14635-1	>12							

Health and Safety

Balmerol Protomac SP is not expected to produce adverse effects on health when used for the intended application and the recommendations provided in the Safety Data Sheet (SDS) are followed.

For further information, contact:

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