

Infineum M7280

Description

Infineum M7280 is an additive package specifically developed for lubricating oils used in gas engines running on different types of fuel gases such as Natural Gas, Landfill Gas and Bio Gas. It is based on unique salicylate detergent technology which provides performance superior to conventional technologies in gas engine applications. Infineum M7280 has been field tested extensively in different engine/gas/application combinations.

Infineum M7280 can also deliver a range of oils with different sulphated ash contents for different applications with one additive package*, hence helping product line rationalization and simplifying logistics and storage. Infineum M7280 also meets API CF for diesel fuel applications.

* For some applications a booster, such as Infineum M7125 may be required.

Performance

Below are typical treat rates for different applications. For correct recommendation on formulation details for any given application consult with your Infineum Technical support contact for gas engine oil additives.

Mass %:	TBN:	Ash, %:
9.2	4.9	0.4
10.5	5.6	0.46
11.7	6.3	0.51
12.15	6.5	0.53
10.5 + Infineum M7125 at 0.56 %	7.6	0.69
11.7 + Infineum M7125 at 0.96 %	9.6	0.92
10.5 + Infineum M7125 at 2.12 %	13.0	1.36

Typical Inspections

Property:	Value ^(a) :	Unit:	Method ^(b) :
Base Number	53.5	mg KOH/g	ASTM D2896
Calcium	1.09	%(m)	ASTM D4951
Density @ 15 C, kg/m3	931	kg/m3	ASTM D4052
Density @ 60 F, lb/gal	7.76	lb/USG	ASTM D4052
Flash Point Deg C	188	°C	ASTM D93
Kinematic Viscosity @ 100 C	125	cSt	ASTM D445
Kinematic Viscosity @ 40 C	2500	cSt	ASTM D445
Mineral Oil	49	%(m)	Calculated
Nitrogen	0.90	%(m)	ASTM D5291
Phosphorus	0.24	%(m)	ASTM D4951
Sulfated Ash	4.35	%(m)	Calculated
Zinc	0.26	%(m)	ASTM D5185

(a)Not a specification, (b)Methods typically used by Infineum manufacturing plants

Handling / Precautions

Follow precautions normally taken for handling lube oil stocks. This product is temperature sensitive. Do not heat over the maximum loading / unloading temperature to avoid possible release of extremely odorous alkyl mercaptans and/or toxic hydrogen sulfide.

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Localized high temperatures should be avoided during heating, especially when product cannot be agitated. Electrical, steam or hot oil heating systems with a self limiting maximum temperature not exceeding 120 Deg. C/250 Deg. F (e.g. low pressure steam at 2 bar(g) or 30 psig) are recommended.

Min Load/Unload Temp:	50 °C (122 °F)
Max Load/Unload Temp:	60 °C (140 °F)
Vis @ Min Load/Unload Temp:	1,300 cSt
Vis @ Max Load/Unload Temp:	740 cSt
Maximum Storage Temperature:	50 °C (122 °F)
Do not reheat above:	60 °C (140 °F)

For detailed data please refer to the relevant MSDS.

Further Information

For further information please contact your local Infineum affiliate or representative.

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