Infineum D1240

Description

Infineum D1240 is a minimum treat rate, cost-effective package designed to cover API performance categories for SJ/CF-4 to SB/CB. The performance is supported with engine testing at key specification levels. The claims are licensable at API SJ, CF/ CF-2 and Detroit Diesel and passing data is available for key engine tests demonstrating performance at CF-4, SG, SF and CD categories. Where necessary the cascade is supported by either boosters or alternative packages expanding the logistics possibilities for customers.

Performance

Performance Level:	SAE Viscosity Grade:	Mass %:	TBN, nominal:
API SB/CB	MONO, MULTI	2.0	-
API SC/CC	MONO	2.0	-
API SC/CC	MULTI	2.3	-
API SD/CC	MONO	2.5	-
API SD/CC	MULTI	2.8	-
API SE/CC	MONO	3.0	-
API SE/CC	MULTI	3.5	-
API SF/CD/CC	MULTI, MONO	4.0	-
Allison C3	MONO	4.0	-
Caterpillar TO-2			
API SF/CF-2/CF		4.0 + Booster at 1.3 %	-
DD 7SE270 Type 1/2/3			
API SG/CF/CD		4.0 + Infineum D1243 at 1.55 %	-
DC p227			
API SG/CF/CD		4.0 + Infineum D1246 at 5.55 %	-
DC p227			
API SJ/CF/CD		4.6 + Infineum D1243 at 2.42 %	-
API SJ/CF/CD		4.6 + Infineum D1247 at 6.75 %	-
API SF/CF-2/CF		4.0 + Booster at 2.0 %	10.0
API SF/CF-2/CF		4.0 + Booster at 7.3 %	10.0
API SG/CF-4		4.0 + Booster at 3.45 %	-
API SG/CF-4		4.0 + Booster at 9.05 %	-
API SG/CF-4		4.0 + Booster at 3.9 %	10.0
API SG/CF-4		4.0 + Booster at 11.35 %	10.0
API SJ/CF-4		4.0 + Booster at 4.15 %	-
API SJ/CF-4		4.95 + Booster at 4.15 %	10.0

Main visc. Grades covered are: Multigrade: 15W-40, 20W-40, 20W-50; Monograde: SAE 10W, 20W, 30, 40, 50 but coverage may vary depending on actual claim
* Licensable quality
# CF quality claim in Mono grade only
Booster @ 2.0 % is Infineum D1243 @ 0.35 % + Infineum D1241 @ 0.95% + Infineum C9340 @ 0.7 %
Booster @ 7.3 % is Infineum D1243 @ 0.35 % + Infineum D1241 @ 0.95% + Infineum D1250 @ 6.0 %
Booster @ 3.45 % is Infineum D1243 @ 1.85 % + Infineum D1241 @ 1.6%
Booster @ 9.05 % is Infineum D1243 @ 1.85 % + Infineum D1968 @ 7.2 %
Booster @ 3.9 % is Infineum D1243 @ 1.85% + Infineum D1241 @ 1.6 % + Infineum C9340 @ 0.45 %
Booster @ 11.35 % is Infineum D1243 @ 1.85% + Infineum D1241 @ 1.6 % + Infineum D1251 @ 7.9%
Booster @ 4.15 % is Infineum D1243 @ 2.55 % + Infineum D1241 @ 1.6 %

Typical Inspections

Property:	Value[(a)]:	Unit:	Method[(b)]:

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Base Number	143	mg KOH/g	ASTM D2896
Flash Point Deg C	184	℃	ASTM D93
Kinematic Viscosity @ 100 C	46	cSt	ASTM D445
Magnesium	2.96	%(m)	ASTM D4951
Phosphorus	2.6	%(m)	ASTM D4951
Zinc	2.9	%(m)	ASTM D4951

(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.

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.

If product is held at cold temperatures (less than 5 Deg. C/40 Deg. F) for extended periods of time (>1 month), phase separation may occur. Product should be warmed to handling temperature and mixed before use.

Min Load/Unload Temp:	35 ℃ (95 ° F)
Max Load/Unload Temp:	50 ℃ (122 ° F)
Vis @ Min Load/Unload Temp:	994 cSt
Vis @ Max Load/Unload Temp:	390 cSt
Maximum Storage Temperature:	50 ℃ (122 ° F)
Do not reheat above:	50 ℃ (122 ° 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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