Infineum P5096

Description

Infineum P5096 is a performance additive package developed for mainstream gasoline engine lubricants, covering both current and obsolete API performance levels. It is designed to be used with appropriate boosters and Infineum viscosity modifiers in appropriate Group I and Group II base stocks at various viscosity grades.

Performance

Performance Level:	SAE Viscosity Grade:	Mass %:
API SL/SJ	10W-30, 10W-40, 15W-40, 20W-50, 30, 40	6.4
API SL/SJ	15W-40, 20W-40, 30, 40	6.4 + Infineum C9330 at 0.25 %
API SG/CF-4	10W-30, 15W-40, 20W-50	7.3 + Infineum C9330 at 0.3 %
API CF-2	10W-30, 10W-40, 15W-40, 15W-50, 20W-40, 20W-50	3.8 + Infineum C9330 at 0.7 %
API CF-2	30, 40, 50	3.8 + Infineum C9330 at 0.4 %
API SH/SG/CD	10W-30, 15W-40, 20W-40, 20W-50, 30, 40, 50	5.0 + Infineum C9330 at 0.2 %
API SF/CF	10W-30, 15W-40, 20W-40, 20W-50	4.5 + Infineum C9330 at 0.85 %
API SF/CF	20W, 30, 40, 50	4.5 + Infineum C9330 at 0.5 %
API CF	15W-40, 20W-40, 20W-50	3.1 + Infineum C9330 at 1.3 %
API CF	20W, 30, 40, 50	3.1 + Infineum C9330 at 0.9 %
API SF/SE/CD	10W-30, 15W-40, 20W-40, 20W-50	4.5 + Infineum C9330 at 0.4 %
API SD/SC/CC	10W-30, 15W-40, 20W-40, 20W-50	2.3 + Infineum C9330 at 0.5 %
API SB/CB	20W, 30, 40, 50	2.0 + Infineum C9330 at 0.2 %

Licensible claims for SL/SJ is only valid in approved Gp I and Gp II basestocks
Quality claims are valid when blended in all quality Gp I and Gp II basestocks. ~ 5.7 vol % approx
API CF quality claims at 6.4%m valid in specific basestocks, viscosity modifiers and viscosity grades only. Consult your Infineum technical representative for more information.

Typical Inspections

Property:	Value[(a)]:	Unit:	Method[(b)]:
Appearance	Brown viscous liquid		ITM 50-022
Base Number	90.3	mg KOH/g	ASTM D2896
Calcium	2.75	%(m)	ASTM D5185
Density @ 15 C, kg/m3	990	kg/m3	ASTM D4052
Density @ 60 F, lb/gal	8.25	lb/USG	ASTM D4052
Flash Point Deg C	184	℃	ASTM D93
Kinematic Viscosity @ 100 C	165	cSt	ASTM D445
Kinematic Viscosity @ 40 C	3700	cSt	ASTM D445
Molybdenum	0.04	%(m)	ASTM D5185
Nitrogen	0.66	%(m)	ASTM D5291
Phosphorus	1.56	%(m)	ASTM D5185
Sulfated Ash	12.5	%(m)	ASTM D874
Sulfur	3.7	%(m)	ASTM D4294
Zinc	1.72	%(m)	ASTM D5185

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

Handling / Precautions

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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.

Min Load/Unload Temp:	55 °C (131 °F)
Max Load/Unload Temp:	65 °C (149 °F)
Vis @ Min Load/Unload Temp:	1,390 cSt
Vis @ Max Load/Unload Temp:	790 cSt
Maximum Storage Temperature:	60 °C (140 °F)
Do not reheat above:	65 °C (149 °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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