

# Infineum P6003

## Description

Infineum P6003 has been developed for the formulation of premium quality "Mid SAPS" passenger car lubricants at 0.08% phosphorus and 0.8% sulphated ash to meet MB-Approval 229.31 and MB-Approval 229.51 limits. It meets both industry and OEM specification when blended at 12.3% mass (~10.9% volume) with appropriate Group III base stocks and appropriate Infineum SV viscosity modifiers. Formulations and performance claims maybe viscosity and viscosity grade specific.

## Performance

Performance Level:	SAE Viscosity Grade:	Mass %:
ACEA A1/B1-12	5W-20	12.3 + Infineum C9455B at 0.18 %
API SN		
Ford WSS-M2C948-A		
Ford WSS-M2C948-B		
ACEA C3-12	5W-30	12.3 + Infineum C9455B at 0.1 %
API SN/CF		
MB-Approval 229.52		
MB-Approval 229.31/229.51		
BMW Longlife - 04		
GM dexos 2		
Renault RN0700/RN0710		
ACEA C2-12	5W-30	12.3
ACEA A5/B5-12		
ACEA A1/B1-12		
API SN/SM/SL/CF		
PSA B71 2290		
Renault RN0700		
ACEA C3-12	5W-30, 5W-40	12.3
API SN/SM/SL/CF		
MB-Approval 229.31/229.51		
VW 502 00/505 01		
BMW Longlife - 04		
GM dexos 2		
Porsche A40		
Renault RN0700/RN0710		
MB-Approval 226.5		

The Infineum C9455B boosted formulations are only available in NEXBASE basestocks.  
Porsche A40 applies only to SAE 5W-40 viscosity grade.

## Typical Inspections

Property:	Value <sup>(a)</sup> :	Unit:	Method <sup>(b)</sup> :
Base Number	65	mg KOH/g	ASTM D2896
Boron	570	ppm	ASTM D4951
Calcium	1.49	%(m)	ASTM D5185
Density @ 15 C, kg/m3	949	kg/m3	ASTM D4052
Density @ 60 F	7.9	lb/USG	ASTM D4052

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Kinematic Viscosity @ 100 C	146	cSt	ASTM D445
Kinematic Viscosity @ 40 C	2865	cSt	ASTM D445
Mineral Oil	45	%(m)	Calculated
Nitrogen	0.77	%(m)	ASTM D5291
Phosphorus	0.65	%(m)	ASTM D5185
Sulfated Ash	6.5	%(m)	Calculated
Sulfur	1.48	%(m)	ASTM D6443
Zinc	0.72	%(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.

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:	1,130 cSt
Vis @ Max Load/Unload Temp:	650 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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