

Infineum D3314 (with Yubase Base stock)

Description

Infineum D3314 is a heavy duty diesel additive package which can be used to formulate SAE 5W-30 or 10W-40 oil meeting the performance requirements listed below. The package is blended at various treat levels in Yubase group III base stocks with Infineum SV viscosity modifier.

Performance

Performance Level:	SAE Viscosity Grade:	Mass %:
ACEA E7-08 Issue 2/E4-08 Issue 2	10W-40	20.9
API CF		
MB-Approval 228.5/235.27		
Cummins CES 20072		
DAF Extended Drain		
Deutz DQC III-10		
MAN M 3277		
MTU Oil Category 3		
RVI RD-2/RLD/RLD-2/RXD		
Scania LDF		
Volvo VDS-3		
ACEA E7-08 Issue 2/E4-08 Issue 2	10W-40	21.2
API CF		
MB-Approval 228.5		
Cummins CES 20072		
DAF Extended Drain		
Deutz DQC III-10		
MAN M 3277		
MTU Oil Category 3		
RVI RD/RD-2/RLD/RLD-2/RXD		
Scania LDF-2/LDF-3		
Volvo VDS-3		
ACEA E7-08 Issue 2/E4-08 Issue 2	5W-30	20.2
MB-Approval 228.5		
Cummins CES 20077		
DAF Extended Drain		
Deutz DQC IV-10		
MAN M 3277		
MTU Oil Category 3		
RVI RD/RD-2/RLD/RLD-2/RXD		
Volvo VDS-3		

Claims at SAE Viscosity Grade 5W-30 require 11% PAO

Typical Inspections

Property:	Value ^(a) :	Unit:	Method ^(b) :
Appearance	Brown viscous liquid		Visual inspection
Base Number	76	mg KOH/g	ASTM D2896
Boron	0.13	%(m)	ASTM D5185

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Calcium	2.30	%(m)	ASTM D4927
Density @ 15 C, kg/m3	957	kg/m3	ASTM D4052
Flash Point Deg C	110 Minimum	°C	ASTM D93
Kinematic Viscosity @ 100 C	115	cSt	ASTM D445
Kinematic Viscosity @ 40 C	1994	cSt	ASTM D445
Mineral Oil	45	%(m)	Calculated
Nitrogen	0.46	%(m)	ASTM D5291
Phosphorus	0.57	%(m)	ASTM D4927
Sulfated Ash	8.9	%(m)	ASTM D874
Zinc	0.63	%(m)	ASTM D4927

(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.

It is strongly recommended that for long term storage the temperature should not exceed 50 °C.

Min Load/Unload Temp:	50 °C (122 ° F)
Max Load/Unload Temp:	60 °C (140 ° F)
Vis @ Min Load/Unload Temp:	1,200 cSt
Vis @ Max Load/Unload Temp:	625 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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