

Infineum D3424

Description

Infineum D3424 is a performance additive package for formulating premium and super premium quality diesel engine oils. It has been developed to meet critical North America and European OEM specifications as well as API CI-4, ACEA E3/E5/E7 and Global DHD-1 specifications. Lubricants formulated with Infineum D3424 can also be used in passenger car engines requiring API SL or ACEA A3/B3/B4 category products. Development of Infineum D3424 was conducted according to the principles of the ACC and ATC Codes of Practice. Claims are base stock and viscosity grade specific - for more information contact your local Infineum representative.

Performance

Performance Level:	SAE Viscosity Grade:	Mass %:
API SL/CI-4/CH-4/CG-4/CF-4/CF	10W-30, 15W-40	14.4
API SL/CF-2/CF	30, 40	14.4
API CF-2/CF	30, 40	10.6
ACEA E7-08	15W-40	14.4
ACEA A3/B4-04	10W-30, 15W-40	14.4
ACEA A3/B4-08	15W-40	14.4
Global DHD-1	15W-40	14.4
MB-Approval 228.3	15W-40	14.4
MAN M 3275	15W-40	14.4
MTU Oil Category 2	15W-40, 30, 40	14.4
Volvo VDS-2	10W-30, 15W-40	14.4
Volvo VDS-3	15W-40	14.4
VW 501 01/505 00	15W-40	14.4
Allison C4	15W-40, 30, 40	14.4
Cummins CES 20071/20076	10W-30, 15W-40	14.4
Cummins CES 20072/20077	15W-40	14.4
Mack EO-M/EO-M PLUS	10W-30, 15W-40	14.4

(1) Also more limited claims in SAE 10W, 20W, 20W-40 and 20W-50

Typical Inspections

Property:	Value ^(a) :	Unit:	Method ^(b) :
Appearance	brown viscous liquid		AM-S 77-074
Base Number	69	mg KOH/g	ASTM D2896
Calcium	1.66	%(m)	ASTM D5185
Density @ 15 C, kg/m3	960	kg/m3	ASTM D4052
Density @ 60 F, lb/gal	8.00	lb/USG	ASTM D4052
Flash Point Deg C	190	°C	ASTM D93
Kinematic Viscosity @ 100 C	203	cSt	ASTM D445
Kinematic Viscosity @ 40 C	4240	cSt	ASTM D445
Magnesium	0.19	%(m)	ASTM D5185
Mineral Oil	49	%(m)	Calculated
Nitrogen	0.69	%(m)	ASTM D5291
Phosphorus	0.89	%(m)	ASTM D5185
Sulfated Ash	8.3	%(m)	ASTM D874

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Zinc	0.98	%(m)	ASTM D5185
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(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:	60 °C (140 °F)
Max Load/Unload Temp:	70 °C (158 °F)
Vis @ Min Load/Unload Temp:	1,200 cSt
Vis @ Max Load/Unload Temp:	740 cSt
Maximum Storage Temperature:	60 °C (140 °F)
Do not reheat above:	70 °C (158 °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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