

MARBRAx CCD- .20

High performance diesel engine oil developed for medium speed Trunk Piston engines. Available in the SAE VGs 30 and 40.

MARBRAx CCD protects the engine parts against wear and corrosion. It is formulated to show high oxidation stability, deposit control and excellent water separation. It has got also good BN retention to neutralize acidic products that come from combustion.

MARBRAx CCD 320 and 420 are recommended for diesel engines burning distillate or residual fuel with a Sulfur content from 1.5 up to 2.0 % wt..

MARBRAx CCD is also recommended for the lubrication of turbocharger bearings that require lubrication by the engine oil and for reduction gears under moderate loads. It may be also used in some air compressors, even with high moisture content.

Marbrax CCD is approved by major marine engine manufacturers, including MTU, Wärtsilä, MAN, B&W, Daihatsu, Pielstick and Caterpillar Motoren (MaK).

Additives - antioxidant, antirust, antiwear, antifoam, overbased detergent, dispersant and pour point depressant.

TYPICAL ANALYSIS*

| GRADE** | 320 | 420 |
|----------------------------------|-------|-------|
| SAE VGs | 30 | 40 |
| Specific Gravity, @ 20/4°C | 0,896 | 0,899 |
| Flash Point (COC) (°C) | >200 | >200 |
| Pour Point (°C) | - 21 | - 21 |
| Kinematic Viscos., @ 100°C (cSt) | 11,5 | 14,0 |
| Viscosity Index, minimum | 98 | 98 |
| TBN (mgKOH/g) | 20 | 20 |
| Sulfated Ash (% wt.) | 2,50 | 2,50 |
| Cu Strip Corrosion, @ 3h, 100°C | 1a | 1a |

*The above results are typical of those obtained with normal production tolerances and, do not constitute a specification.

** It is not SAE VG. For further details, please contact our technical support service.

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