BANGCHAK D3 COMMONRAIL

Premium Lubricant for Diesel Vehicles





BANGCHAK D3 COMMONRAIL is the superior-quality lubricating oil formulated to exceed API CH-4/SJ the highest diesel engine lubricant standard. Formulated from selected quality basestock and outstanding additive. The benefits of BANGCHAK D3 COMMONRAIL include the following properties.

- Sustain engine durability even under severe application
- Highly control of wear and deposits that minimized maintenance cost
- High temperature stability and soot handling properties
- Optimum protection for oxidative and insoluble thickening
- Oil change is 10,000 KM instead of 7,000 KM in normal operating condition

MEET REQUIRMENT

SAE 15W-40

- o API CH-4/SJ o ACEA E7-16
- o MB 228.1 o Volvo VDS-3 o MTU 2.0
- o Caterpillar ECF-1a o Renault RLD-2
- o Deutz DQC-II, III o Mack EO-N
- o Cummins CES 20077 o MAN 3275

SAE 20W-50

- o API CH-4/SJ o ACEA E7-16
- o MB 228.1 o MAN 3275
- o Caterpillar ECF-1a

APPLICATION

BANGCHAK D3 COMMONRAIL is recommended for all heavy-duty diesel engines, pickup, off-road cars and diesel engine equipped with commonrail/turbo-charged and super-charged. Furthermore, it applicable for the vehicle which install LPG / NGV / CNG.

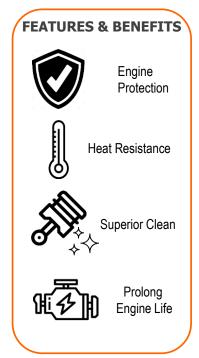
TYPICAL INSPECTION

| PROPERTIES | METHOD | BANGCHAK D3 COMMONRAIL | |
|------------------------------------|------------|------------------------|--------------------|
| | | SAE 15W-40 | SAE 20W-50 |
| Appearance | Visual | Bright & Clear | Bright & Clear |
| Color | ASTM D1500 | Report | Report |
| Density @ 15 °C, g/cm3 | ASTM D1298 | Report | Report |
| Flash Point (COC), °C | ASTM D92 | 215 Min | 215 Min |
| Foam Test (Seq II), mL/mL | ASTM D892 | 50/0 Max | 50/0 Max |
| Pour Point, °C | ASTM D97 | -15 Max | -15 Max |
| Kinematic Viscosity @ 100 °C, cSt. | ASTM D445 | 14.5-15.5 | 18.5-19.5 |
| Viscosity Index | ASTM D2270 | 135 Min | 125 Min |
| Water Content, %Vol | ASTM D95 | NIL | NIL |
| Cold Cranking Simulator, cP | ASTM D5293 | 6600 Max, @ -20 °C | 9100 Max, @ -15 °C |
| TBN, mg KOH/g | ASTM D2896 | 9 Min | 8.5 Min |

Packaging:

15W-40: 1 Litre, 6 Litres, 200 Litres

20W-50: 200 Litres



Additional Information Available at www.bangchaklubricants.com

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SD-PD-02/1-42 REV. NO.: 06 , DATE: 01/01/2023