

# UTAH M2

## Heavy Duty-Multigrade-Motor Oil 15W40

### Description:

**UTAH M2** is a very high categorized SHPD engine oil that meets the required emissions standards.

**UTAH M2** is thus recommended for the Euro 2, Euro 3, Euro 4 and Euro 5 motor generation with EGR and/or SCR technology (not for engines with particle filter).

**UTAH M2** is a universally usable all-year engine oil for all suction and charged diesel engines. Usable for all, also under very extreme operation conditions. Also suitable for use in passenger car engines.

**UTAH M2** meets the requirements of extended oil changing intervals (please observe manufacturers' instructions).

### Properties

- Exceptional high detergent effect which almost prevents residues in the combustion section
- Formation of cold sludge and residues in the engine and the oil pan are nearly prevented
- Optimal protection against corrosion, oxidation, wear and foaming
- Extremely high pressure susceptibility
- Very well cleaning capability
- Excellent ageing stability
- Excellent viscosity-temperature behaviour

### Effects

- High operating reliability
- Very well suitable for difficult operating conditions
- Suitable for longest oil changing intervals
- Prevents black sludge formation
- Protection against reflector surface formation
- Improved economy viability by extended inspections-intervals
- Minimum wear at highly strained engines
- High stable viscosity index
- All-year operation
- Reduction of kinds

### Suitable for/ we recommend this product for

|                                |                 |
|--------------------------------|-----------------|
| SAE                            | 15W-40          |
| API                            | CI-4/SL + SHPD  |
| ACEA                           | E7              |
| We recommend this product for: |                 |
| CATERPILLAR                    | ECF-1, ECF-2    |
| CUMMINS                        | CES 20077/78    |
| DETROIT DIESEL                 | 93K215          |
| DEUTZ                          | DQC III-10      |
| GLOBAL                         | DHD-1           |
| JASO                           | DH1             |
| MACK                           | EO-M Plus, EO-N |
| MAN                            | M 3275          |
| MB                             | 228.3           |
| MTU                            | Type 2          |
| RENAULT                        | RLD-1, RLD-2    |
| VOLVO                          | VDS-3           |

### Utilization

- Commercial vehicle diesel engines
  - with turbo charging
  - with catalyst technology
  - with EGR technology
  - with SCR technology
- Passenger car diesel engines
  - with turbo charging
  - with catalyst technology
- Four-stroke petrol engines
  - with turbo charging
  - with catalyst technology
- Work and agricultural machinery diesel engines

### Disposal:

- **UTAH M2** is assigned to category 2 of used oils and thus is free for disposal.

### Miscibility:

- **UTAH M2** is fully compatible to comparable lubricants and can be mixed safely. However, it is recommended to refill **UTAH M2** only.

**UTAH M2**

| <b>Article No.</b> | <b>Packaging unit</b> |        |
|--------------------|-----------------------|--------|
| 1200 424           | Can                   | 5 L    |
| 1200 425           | Can                   | 20 L   |
| 1200 426           | Drum                  | 60 L   |
| 1200 428           | Drum                  | 200 L  |
| 1240 429           | PE-Container          | 1000 L |

**Typical characteristics:**

|                            |                    |      |
|----------------------------|--------------------|------|
| Specific weight at 15°C    | kg/m <sup>3</sup>  | 862  |
| Dynamic viscosity at -20°C | mPa.s              | 3720 |
| Viscosity at 40°C          | mm <sup>2</sup> /s | 94,9 |
| Viscosity at 100°C         | mm <sup>2</sup> /s | 14,5 |
| Viscosity index            |                    | 158  |
| Flash point COC            | °C                 | 232  |
| Pourpoint                  | °C                 | -42  |
| Sulphate ashes             | %                  | -    |
| TBN                        | mgKOH/g            | 11,3 |

