

## G-Profi MSI Plus 15W-40



Turbocharged engines



Euro-4, 5 and lower



Exhaust Gas Recirculation



Selective Catalytic Reduction



Excellent soot control



Improved engine cleanliness



Improved corrosion protection



Synthetic base oil

**G-Profi MSI Plus 15W-40** is synthetic all-season SHPD (Super High Performance Diesel) engine oil. Formulated to satisfy strict Cummins requirements to lubricants for its EGR-equipped engines. This engine oil has improved detergency, high dispersant activity, improved protection against wear and corrosion.

### Application



- For off-road (agricultural, mining, construction, etc.) and some on-road (heavy duty trucks, buses, etc.) machinery produced by European, American, Asian and other manufacturers.
- SHPD heavy-duty Euro-4, 5 tier engines, requiring API CI-4 and lower class engine oils.
- Compatible with EGR- and SCR-equipped engines (according ACEA E7).
- Can be used in gasoline engines, requiring API SL engine oils.

### Features/Potential benefits

Adaptive additive technology **G-Profi MSI Plus 15W-40** provides high engine performance in all working conditions:

| Features                                           | Advantages/Potential benefits                                                                      |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------|
| Improved oxidation resistance                      | Better oil properties stability – extended drain interval capability, reducing lubricants expenses |
| High detergency and dispersant activity            | Less deposits in engine – lower risk of unexpected equipment failures                              |
| Extended TBN reserve                               | Additional corrosion protection – engine life preservation                                         |
| Excellent soot control                             | Better soot control – stable engine oil pressure                                                   |
| Stable viscosity during high-temperature operation | Effective protection of engine parts in all operating modes – reduced repair and maintenance costs |
| Improved corrosion protection                      | Engine details are untouched by acids – reduced maintenance cost                                   |

### Typical characteristics

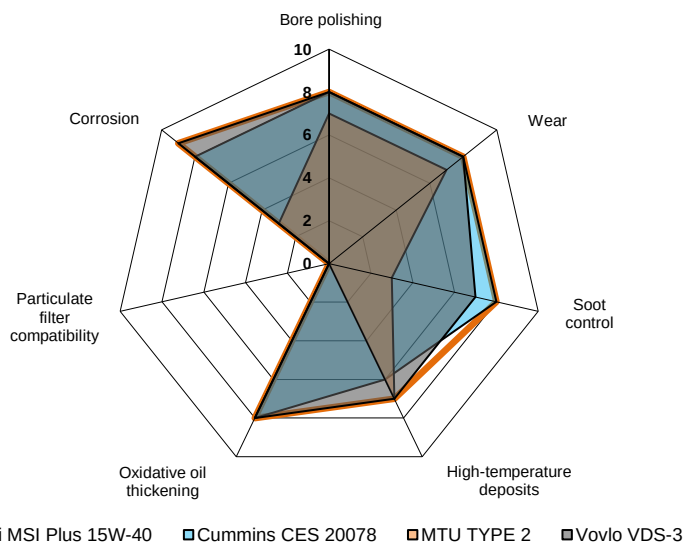
| Properties                                         | Value | Method      |
|----------------------------------------------------|-------|-------------|
| Kinematic Viscosity, mm <sup>2</sup> /s: at 100 °C | 15,9  | ASTM D 445  |
| Viscosity Index                                    | 149   | ASTM D 2270 |
| Flash Point (COC), °C                              | 232   | ASTM D 92   |
| Pour Point, °C                                     | -38   | ASTM D 97   |
| Density at 15 °C, kg/m <sup>3</sup>                | 861   | ASTM D 4052 |
| Total Base Number, mg KOH/g                        | 12    | ASTM D 2896 |
| Sulphated Ash, % wt.                               | 1,27  | ASTM D 874  |

### Health, Safety, Environment

Information is provided for products in the relevant Safety Data Sheet (SDS). This provides guidance on potential hazards, precautions and first-aid measures, together with environmental effects and disposal of used products. SDS's are available upon request through your sales contract office. This product should not be used for purposes other than its intended use.

**G-Profi MSI Plus 15W-40** is designed to satisfy and outperform the requirements of main equipment manufacturers:

- MTU Type 2
  - better soot control;
  - better corrosion protection;
- Cummins CES 20078
  - 15% less piston high-temperature deposits ;
- Volvo VDS-3
  - 15% better soot control.



### Specifications

- |                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                          |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <ul style="list-style-type: none"> <li>• ACEA E7</li> <li>• API CI-4; API SL</li> <li>• Caterpillar ECF-1a/ ECF-2</li> <li>• Cummins CES 20076/20077/20078</li> <li>• Detroit Diesel DDC 93K215</li> <li>• Deutz DQC III-18</li> <li>• Global DHD-1</li> <li>• JASO DH-1</li> </ul> | <ul style="list-style-type: none"> <li>• Komatsu</li> <li>• MACK EO-N</li> <li>• MAN M 3275-1</li> <li>• DTFR 15B110 (MB 228.3)</li> <li>• MTU Cat. 2</li> <li>• Renault Trucks RLD-2</li> <li>• Volvo VDS-3</li> <li>• Avtodizel, KAMAZ, TMZ</li> </ul> |
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### Certified

ISO 9001



ISO 14001



ISO 45001

