

# HELIOS XR

## MULTIGRADE AND SEMI SYNTHETIC ENGINE OIL

### Description

The lubrication of mixed fleets, from heavy duty turbocharged diesel trucks to gasoline or LPG fueled passenger cars. Our Helios XR range comes in two mineral products SAE 15W-40 and 20W-50 and one semi synthetic blend: SAE 10W-40. Helios XR provides excellent protection against black sludge in gasoline engines. But also excellent detergency and dispersancy providing optimal diesel cleanliness.

### Benefits

Excellent detergency and dispersancy providing optimal diesel cleanliness. Excellent protection against black sludge in gasoline engines.



### Performance levels

- API SL/CF-4 (SAE10W-40)
- API SG/CF-4 (SAE15W-40, SAE20W-50)
- VW 501.01 (SAE 10W-40)
- MB 228.1, MB 229.1 (SAE 10W-40)
- MIL-L-46152E/2104D

### Typical Properties

| SAE                   |                   | 10W-40<br>SEMI SYNTHETIC | 15W-40<br>MINERAL | 20W-50<br>MINERAL |
|-----------------------|-------------------|--------------------------|-------------------|-------------------|
| Code                  |                   | LUB002042                | LUB002012         | LUB002013         |
| Density 15 °C         | kg/m <sup>3</sup> | 867                      | 872               | 885               |
| Viscosity 40 °C       | cSt               | 98.1                     | 107.2             | 170               |
| Viscosity 100 °C      | cSt               | 14.6                     | 14.6              | 18.7              |
| Viscosity CCS -25 °C  | cP                | <7000                    |                   |                   |
| Viscosity CCS -20 °C  | cP                |                          | <7000             |                   |
| Viscosity CCS -15 °C  | cP                |                          |                   | <9500             |
| Viscosity Index       | cP                | 154                      | 140               | 124               |
| Pour Point            | °C                | -33                      | -27               | -24               |
| Flash Point C.O.C     | °C                | 215                      | 220               | 222               |
| TBN                   | mg KOH/g          | 8.7                      | 8.75              | 8.75              |
| Sulphated Ash         | %wt               | 1.1                      | 1.1               | 1.1               |
| Operating Temperature | °C                | -30/150                  | -25/150           | -22/150           |