



SUPPORT CHAIN

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Reliable Solutions

# Hitachi Construction Machinery (Europe) NV Genuine Lubricants and Coolants



To ensure you get the best performance from your construction equipment, Hitachi Construction Machinery has developed a range of products that protect individual components within your machine, as well as increase overall reliability and productivity. The range includes engine, hydraulic and gear oils, as well as axle oils for ZW wheel loaders.



### ENGINE OIL 10W40 DH-2

- ▶ **Specifications**
  - JASO DH-2 (D031HCE002)
  - ACEA E11, E9, E7
  - API CK-4 / CJ-4 / CI-4 plus / CI-4
  - DEUTZ DQC III-10 LA
  - MTU Category 2.1
  - CUMMINS CES 20081 • MB 228.31
- ▶ **Benefits**
  - Increases lifetime of muffler filter.
  - The most rational engine lubricant choice for ZX-3, ZX-5, ZX-6, ZX-7, ZW-1, ZW-5, ZW-6 and ZW-7.
  - Maintains best engine performance.



### ENGINE OIL 15W40 DH-1

- ▶ **Specifications**
  - JASO DH-1 (D031HCE001)
  - ACEA E7 (E5)
  - API CI-4 / CH-4 / CF / SL
  - DEUTZ DQC III-10 • MTU Category 2
  - CUMMINS CES 20078 / 20077 / 20076 • MB 228.3
- ▶ **Benefits**
  - Maintains best engine performance.
  - Good value for money.



### GREASE EP 2

- ▶ **Specifications**
  - ISO 6743-9 : L-XBCEB 2
  - DIN 51 502 : KP2K -25
- ▶ **Benefits**
  - Multi Purpose Genuine Grease EP2 may replace a wide range of greases, simplifying maintenance.
  - Forms a durable lubrication film, resulting in reduced maintenance and down-time costs.
  - Mixable with most other conventional soap greases.
  - Does not contain lead, or other heavy metals considered harmful to human health and the environment.



### HYDRAULIC OIL 5000

- ▶ **Specifications**
  - ISO VG 46
- ▶ **Benefits**
  - Very good oxidation stability ensuring a long service life of the fluid.
  - Remarkable filterability.
  - Excellent protection against rust and corrosion.
  - Good anti-foam and air release properties.
  - Good demulsibility ensuring rapid water separation.
  - Easy start up at low temperature and regular operation in all seasons.



### HYDRAULIC OIL MULTI

- ▶ **Specifications**
  - ISO VG 46 • AFNOR NF E 48-603 HV
  - ISO 6743/4 HV • DIN 51524 Part 3 HVLP
- ▶ **Benefits**
  - Excellent oxidation stability to extend the machine and oil life.
  - Excellent lubrication properties to minimize wear.
  - Excellent shear stability to significantly reduce changes in viscosity.



### LONG LIFE COOLANT -37C

- ▶ **Specifications**
  - ASTM D3306
  - JIS K2234
- ▶ **Benefits**
  - Anti-freezing protection until -37C°.
  - Sustained prevention of rust and corrosion.
  - Excellent heat transfer.



### PREMIUM LONG LIFE COOLANT -37C

- ▶ **Specifications**
  - CUMMINS CES 14603 • JIS K2234
  - SAE J814 • ASTM D3306
  - TMC RP 329 • ASTM D6210
- ▶ **Benefits**
  - Anti-freezing protection until -37C°.
  - Sustained prevention of rust and corrosion.
  - Prevents freezing in the cooling system.
  - Excellent cavitation prevention.
  - Significant prevention of scale formation.



### AXLE OIL HIGH GEAR GL-4 ZW-SERIES

- ▶ **Specifications**
  - AXLE OIL HIGH GEAR TKTT15150-4th
- ▶ **Benefits**
  - Eliminates vibrations and chatter in stressed self-blocking axles.
  - Resists to extreme pressure and high temperatures.
  - Provides protection against rust and corrosion.
  - Provides excellent protection to gear teeth against wear and pitting, under all operating conditions.



### AXLE OIL ZX-W SERIES

#### Specifications

- API GL-5-LS • MIL.L. 2105D
- ZF TE ML 05C
- ZF TE ML 12C • ZF TE ML 21C

#### Benefits

- Specially designed for Zaxis wheeled excavators.
- Eliminates vibrations, and resists extreme pressure and high temperatures.
- Protects against rust and corrosion, and gear teeth wear.



### ZW TRANSMISSION OIL 10W

#### Benefits

- Extends driveline component life.
- Very fluid at low temperatures, immediately active after the start.
- Excellent anti-wear and anti-corrosion properties, increasing the durability of the lubricated components.
- Ensures smooth shifting of gears.



### GENUINE GEAR OIL 80W90

#### Benefits

- Provides excellent protection to gear teeth against wear and pitting, under all operating conditions
- Multi-grade viscosity promotes adequate lubrication during cold starts
- Resists extreme pressures and high temperatures
- Excellent gear-shifting performance in manual transmissions
- Provides protection against rust and corrosion



### PUMP TRANSMISSION OIL EX30

#### Benefits

- Specially designed for large and ultra-large excavators operating in harsh environments.
- Prevents viscosity increase and improves lubrication.
- High protection against rust.
- Prevents air bubbles and foam, therefore improving lubrication.
- Prevents oil seal deterioration.

## Genuine lubricants available packages

								
	400 g	15 kg	50 kg	5 litres	20 litres	208 litres	1 000 litres	Bulk
Engine oil 10W40 DH-2				E0A000855	E0A000856	E0A000857	E0A000858	E0A000859
Engine oil 15W40 DH-1				E0A000850	E0A000851	E0A000852	E0A000853	E0A000854
Grease EP 2	E0A000984 E0A001114	E0A000982	E0A000983			E0A001309		
Hydraulic oil 5000					E0A000860	E0A000861	E0A000862	E0A000883
Hydraulic oil Multi					E0A000925	E0A000926	E0A000927	E0A000928
Long Life Coolant (All machines, except Cummins and MTU powered)				E0A003611	E0A003612	E0A003613	E0A003614	
Premium Long Life Coolant (All Cummins powered machines)				E0A003665	E0A003666	E0A003667	E0A003668	
Axle oil for ZXW					E0A001275	E0A001276		E0A001519
Axle oil – ZW140-1 and ZW150-1					100GR-AX020			
Axle oil – ZW65-ZW95, ZW140-ZW550					YB00002985	YB00002984		
Transmission oil ZW310, 330, 370, 550					E0A000585	E0A000586		
Transmission oil ZW180,220,250					E0A001731	E0A001732		
Pump Transmission					YA00018282			
Genuine Gear Oil 80W90				E0A002159	E0A002160	E0A002161		

Choose the range of genuine lubricants and coolants recommended and designed by Hitachi Construction Machinery

[www.hitachicm.eu/lubricants](http://www.hitachicm.eu/lubricants)

#### Caution for Use:

The specifications are subject to change without notice. Carefully read the caution printed on the container before using this product. The type of oil that can be used differs depending on the machine and the environment. Use optimum genuine lubricants and coolants parts in accordance with the instruction manuals of the machines to be operated.