

## PRODUCT DESCRIPTION

TOTACHI Extended Life Coolant Red -40°C (50/50) is a ready to use coolant based on organic acid technology (OAT) designed for heavy duty diesel cooling systems of European, Japanese, Korean, American, and other OEMs. It is also suitable for use in passenger cars, motorcycles, light duty, on-road, off-road vehicles and industrial applications requiring ASTM D6210, ASTM D3306, ASTM D4985 standard coolants and G12+ type coolants. Effective heat dissipation on highly accelerated engines, turbocharged and modern engines to avoid engine overheating. Highly resistant to hard water and very low corrosion inhibitor depletion rates to provide maximum corrosion & rust protection of heat exchange system. Offers an extended life protection for at least 250,000 km or 5 years in passenger cars and light duty vehicles; 650,000 km in heavy duty applications, and 12,000 hours in stationary machineries or 5 years.

TOTACHI Extended Life Coolant Red -40°C (50/50) is free from nitrites, borates, phosphates, amines, and silicates to safeguard cooling systems from corrosion, scale, and rust. Eliminates scaling and deposits formation in the cooling system. Prevents cavitation and increase the life of water pumps. Compatible with cast iron, aluminum, all ferrous alloys, rubber, seals, gaskets, and all components of the cooling system.

## APPLICATION

Recommended for use in motorcycles, passenger cars, vans, SUVs, LCVs, light duty trucks, buses, heavy duty trucks, buses, mining, construction, agricultural machineries, and other automotives & machineries requiring coolants with the standards of ASTM D4985, ASTM D 6210 and ASTM D3306.

Ready to use coolant with freeze point of -40°C, premixed of 50/50. No need to add deionized water or supplemental coolant additives (SCA). Safe to mix with genuine coolants.

## WARRANTY

TOTACHI Extended Life Coolant Red -40°C (50/50) meets or exceeds the OEM's warranty requirements of automotive and industrial applications where an OAT ready to use coolant is required. TOTACHI® guarantees full compliance on the written specifications indicated on product labels.

## CUSTOMER BENEFITS

- **Prolongs the Life of Cooling System**  
Extended protection against rust, corrosion, and pitting. Protects against surface cavitation. Enhanced water pump performance.
- **Extended Service Life**  
Organic Acid Technology coolant offering extended life protection to automotive vehicles and stationary equipment.
- **Mixed Fleet Application**  
Suitable for use in automotive, light, and heavy-duty diesel of multiple OEMs.
- **Reliable Protection**  
Effectively prevents engine overheating and freezing to avoid engine breakdown and costly repairs.
- **Extended Drain Interval**  
Offers an extended life protection for at least 250,000 km or 5 years in passenger cars and light duty vehicles; 650,000 km in heavy duty applications, and 12,000 hours in stationary machineries or 5 years.

## MEETS SPECIFICATIONS & REQUIREMENTS OF:

- ASTM D3306
- ASTM D6210
- ASTM D4985
- GB 29743-2013 (LEC-II)
- VW/AUDI/SEAT/SKODA TL-774-D/F (G12+)
- MB 325.3
- FORD WSS-M97B44-D
- GENERAL MOTORS/OPEL/SAAB/VAUXHALL GM 6277M (B040 1065)
- MAN 324 TYP SNF
- BMW GS 94000
- CUMMINS IS SERIES U N14/ CES 14439
- CHRYSLER-DODGE-JEEP MS-90032
- DAF 74002
- DETROIT DIESEL POWER COOL PLUS
- DEUTZ 0199-99-1115/6
- DEUTZ -MWM 0199-99-2091/8
- DEUTZ DQCCB-14
- GM/OPEL GMW 3420
- ISUZU
- JAGUAR WSS-M97B44-D
- JAGUAR CMR 8229

- JENBACHER TA 1000-0204
- LAND ROVER WSS-M97B44-D
- LEYLAND TRUCKS DW03245403
- VOLVO AB MACK 014 GS 17009
- MAN B&W AG D36 5600
- MAN 148, MTU MTL 5048
- WARTSILA 32-9011
- WARTSILA-SACM DIESEL DLP799861
- WAUKESHA
- YANMAR
- MAK A4.05.09.01
- GEC ALSTHOM
- MENAG
- ULSTEIN BERGEN 2.13.01
- NEW SULZER DIESEL TR 1508-10/94
- FIAT MAT 3624 / FIAT 9.555323
- JOHN DEERE JDM H5
- LAND-ROVER STJLR 651.5003
- MAZDA MEZ MN 121D
- MWM2091/11
- RENAULT 41-01-001/-S TYPE D
- AVTOVAZ-RENAULT-NISSAN (38000-38/761)
- SUZUKI
- SANTANA MOTORS
- VAUXHALL GME L1301
- HYUNDAI
- CHEVROLET
- UK BS 6580
- DOOSAN
- MITSUBISHI
- SSANGYONG SV-72A
- CLAAS
- AVTODIESEL
- KAMAZ
- SCANIA
- TATA MOTORS
- TEDOM
- VAN HOOL
- VOLVO AB/BUS/PENTA/TRUCKS/CONSTRUCTION EQUIPMENT
- UD TRUCKS
- BENTLEY
- BUGATTI
- LAMBORGHINI
- PORSCHE
- AM B&W

Before using this product, ensure it is consistent with OEM's recommendations for the equipment operating conditions and customer's maintenance practices.

## TYPICAL TEST DATA

CHARACTERISTICS	UNITS	VALUES	STANDARDS
Appearance	-	Transparent liquid without residue	Visual
Color	-	Red	Visual
Density at 20 °C	g/cm <sup>3</sup>	1.0642	ASTM D4052
Refractive Index at 20 °C	-	1.3810	ASTM D1218
Reserve Alkalinity	ml	2.80	ASTM D1121

## **STORAGE AND HANDLING GUIDELINES**

- Avoid exposing products to direct sunlight.
- Store in cool and dry places. Avoid exposing products to moisture.
- It is highly recommended to store drums indoors or under cover on pallets and racks.

## **HEALTH, SAFETY & ENVIRONMENT PROTECTION**

Information on health, safety and environment protection is described in the product Safety Data Sheet (SDS). The SDS file contains details on potential hazards, precautions and first aid measures, as well as information on environmental impact and disposal of used products.

TOTACHI INDUSTRIAL CO. LTD. disclaims any liability in case the product is used with violation of these instructions and warnings, or it is not used for its intended purpose. Before using product other than intended, consult your local TOTACHI® distributor.

## **ATTENTION**

TOTACHI Extended Life Coolant Red -40°C (50/50) is **poisonous and extremely hazardous if ingested**.

When changing coolant, dispose used product in accordance with local, regional, or federal legislative provisions.

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