



Tribol™ CH 290 Range

Conveyor lubricants

Description

Castrol Tribol™ CH 290 (previously called Tribol™ 290) is a range of conveyor lubricants formulated with premium synthetic fluids. The Range is designed to lubricate conveyor chains and open trolley wheel bearings in high temperature paint ovens found in the automotive and metal decorating industries.

Tribol CH 290 is based on water soluble and synthetic fluids known for their natural lubricating ability, favourable volatility characteristics and chemical and thermal stability. An advanced additive system provides additional Anti-Wear and Extreme Pressure characteristics under boundary conditions, for protection from surging loads and extreme oven temperatures.

Application

Tribol CH 290 lubricates any chain and open trolley bearings where compatibility with water-based paints and coatings is critical.

The Range is usually recommended for oven temperatures from 150°C (302°F) to 220°C (428°F). At elevated temperatures, reapply more frequently rather than increase the amount applied.

Tribol CH 290 is most suitable for automotive production lines, which usually include cathodic electro-deposition, water-based painting (coating), then drying and curing in an oven. Typically, these operations include immersing parts into baths from moving overhead conveyors. Contamination from dripping lubricant is always a threat to production and process baths. However, should Tribol CH 290 ever drip into a water base process bath, it would dissolve and disperse, preventing accumulation and the disruption of coatings or electrodepositions.

Advantages

- Compatible with most e-coat process and most water-based paints - avoids lubricant-related 'fish eyes' and craters, reducing rework and refinishing costs
- Low volatility - allows reduced application/consumption, reduces the potential for contamination from drip or fling-off, and decreases costs relating to soiled merchandise
- Excellent wetting and adhesive properties - allows for fast, thorough penetration to load zones and minimises tendency to drip
- Anti-wear (AW) and Extreme Pressure (EP) characteristics - helps extend the useful life of the chain by providing contact zone friction and wear protection

Typical Characteristics

Name	Method	Units	CH 150	CH 220
Density @ 15°C / 59°F	ASTM D4052 / ISO 12185	kg/m ³	1050	1060
Kinematic Viscosity @ 40°C / 104°F	ASTM D445 / ISO 3104	mm ² /s	150	225
Kinematic Viscosity @ 100°C / 212°F	ASTM D445 / ISO 3104	mm ² /s	26	39
Viscosity Index	ASTM D2270 / ISO 2909	-	210	225
Flash Point - open cup method	ASTM D92 / ISO 2592	°C/°F	280 / 536	280 / 536
Pour Point	ASTM D97 / ISO 3016	°C/°F	-49/ -45	-38 / - 39
Rust test- distilled water (24 hrs)	ASTM D665A / ISO 7120	Rating	Pass	Pass
Four Ball Wear test- Wear Scar Diameter (40 kgf / 75°C / 1200 rpm, 1 hr)	ASTM D2266	mm	0.38	0.36

Subject to usual manufacturing tolerances.

User Advice

Based on available information, this product is not expected to produce adverse effects on health when used for the applications referred to above and the recommendations provided in the Safety Data Sheet(SDS) are followed. SDSs are available upon request through your sales contact office, or via the internet at www.castrol.com This product should not be used for purposes other than the applications referred to above. If disposing of used product, take care to protect the environment, return used oil to collection center.

Additional Information

Tribol CH 290 Range is not compatible with mineral (petroleum) base lubricants. When changing over to Tribol CH 290 from other lubricants, clean automatic application systems thoroughly before adjusting delivery amounts and patterns.

Storage

All packages should be stored under cover. Where outside storage is unavoidable drums should be laid horizontally to avoid the possible ingress of water and damage to drum markings. Products should not be stored above 60°C, exposed to hot sun or freezing conditions.

This product was previously called Tribol 290. The name was changed in 2015.

Tribol™ CH 290 Range
03 Feb 2020

Castrol, the Castrol logo and related marks are trademarks of Castrol Limited, used under licence.

This Data Sheet and information it contains is considered to be accurate at the date of printing. No warranty or representation, expressed or implied, is made as to the accuracy or completeness of the data and information contained in this publication. No statement made in this publication shall be construed as a permission, recommendation or authorization given or implied to practice any patented invention without a valid license. It is the User's obligation to evaluate and use products safely and within the scope advised in the Data Sheet, to assess suitability for the intended application, and to comply with all applicable laws and regulations. Material Safety Data Sheets are available for all our products and should be consulted for appropriate information regarding storage, safe handling, and disposal of the products. The Seller shall not be responsible for any loss, damage or injury resulting from any abnormal use of the product, from any failure to adhere to recommendations, nor from any hazards or risks which are i) identified in the Data Sheet, ii) inherent in the nature of petroleum products or iii) associated with the petroleum products concerned (provided that this disclaimer shall not affect any statutory rights of the Buyer of the petroleum products concerned). All products, services and information supplied are provided under our standard conditions of sale. You should consult our local representative if you require any further information.

BP Lubricants USA Inc., 1500 Valley Road, Wayne, NJ 07470
Telephone: 1.800.462.0835
www.castrol.com contactus@bp.com