



## Tribol 290

Conveyor lubricant

### Description

Castrol Tribol™ 290 Conveyor Lubricant is formulated with premium synthetic fluids for lubricating conveyor chains and open trolley wheel bearings in high temperature paint ovens found in the automotive and metal decorating industries. Tribol 290 is based upon water soluble, 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.

### Advantages

- Compatibility with the e-coat process and most water-based paints: Eliminates 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 and extreme pressure (EP) characteristics: Significantly extends the useful life of the chain by providing contact zone friction and wear protection leading to reduced power consumption and conveyor downtime

## Typical Characteristics

Name	Method	Units	290/ 150	290/ 220
ISO Viscosity grade	-	-	150	220
Density @ 15°C/60°F	ISO 12185/ ASTM D4052	g/ml	1.05	1.05
K.V. @ 40°C/104°F	ISO 3104/ ASTM D445	mm <sup>2</sup> /s	151	229
K.V. @ 100°C/212°F	ISO 3104/ ASTM D445	mm <sup>2</sup> /s	27	39
K.V. @ 200°C / 392°F	ISO 3104/ ASTM D445	mm <sup>2</sup> /s	6	8.1
Viscosity Index	ISO 2909/ ASTM D2270	-	214	225
Flash Point, COC	ISO 2592/ ASTM D92			
Pour Point	ISO 3016/ ASTM D97	°C / °F	-40 / - 40	-40 / - 40
Rust Test (24 hr distilled water)	ISO 7210/ ASTM D665A	-	Pass	Pass
Four Ball Weld Test(40 Kg, 75°C/167°F,1800rpm, 1 hr), Scar Diameter	ASTM D2266	mm	0.38	0.36
Falex Wear Test, Wear Teeth	ASTM D2670		3	3
Thin Film Evaporation Loss @ 220°C / 425°F, Weight percent lost, 1.0 hours,	Internal	% wt loss	3	4
Weight percent lost, 1.5 hrs	Internal	% wt loss	9	8

Subject to usual manufacturing tolerances.

## Additional Information

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

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