

## Cummins Turbo Charger

### Introduction

According to Article 33 (Duty to communicate information on substances in articles) of the REACH regulation, *“Any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0,1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance”*

### Declaration of Use of Candidate List substances in Products

Cummins works actively to avoid and phase out Prohibited Substances in its products. See more information on Prohibited Substances on the [Prohibited Substances](#) page at public.cummins.com.

Under REACH, a turbo charger is considered a complex object because it is made up of more than one article. On a complex object level, the turbo charger does not contain any Candidate List substance of a concentration above 0.1% by engine weight. However, constituent articles (sub-components) may contain such concentrations.

This declaration covers sub-components for all variants of the turbo charger and reflects the most recent update of the REACH Candidate List before that date.

This declaration lists all Candidate List substances which could be found in concentrations above 0.1% by weight in sub-components. The identified parts are listed by part number, name and information on where to find those parts in the engine, and a reference to the contained substance(s).

### Changes from Previous Issue

Removed Cadmium as a substance, as below declarable level.

# REACH

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## Identified Candidate List Substances Contained in Turbo Charger

Substance ID	Name (en-GB)	Name (en-GB)	CAS Number	EC Number	Date of Inclusion *
A	Lead	Lead	7439-92-1	231-100-4	27/06/2018
C	Decabromodiphenylether	Decabromodiphenylether	1163-19-5	214-604-9	19/12/2012

## Identified Sub-Components Contained in Turbo Charger

Substance concentration of 0.1% by weight is exceeded in the parts and/or components denoted using curved brackets (e.g. {Flange bearing 3850-0134477-000 (285888916)}). Cummins Part numbers are provided as a unique identifier for that component and are identified using parentheses inside the curved brackets.

ID	Path to Sub-Parts Containing Substances	Substance ID
1	[Turbocharger] [ID17 Turbocharger] {Housing, Bearing, HE400VG} [Plug, Expansion] {Sleeve (5351897)}	A
2	[Turbocharger] [ID17 Turbocharger] [VR Speed Sensor] {Core dk=2,7 L=8,20 (304K-64344)}	A
3	[Turbocharger] [ID17 Turbocharger] [Speed Sensor] {Insert (304K-64708)}	A
4	[Turbocharger] [ID17 Turbocharger] {Bearing, Tur Thrust (3592966)}	A
5	[Turbocharger] [ID17 Turbocharger] [Smart Remote Actuator] [General Assembly] [Cover Water Assembly] [Actuator ASM] [Cooling Body Assy] [Circuit Board Assembly] [CBA 28286447_SRA2] {PCB (B7188)}	A
6	[Turbocharger] [ID17 Turbocharger] [Smart Remote Actuator] [General Assembly] [Cover Water Assembly] [Actuator ASM] [Cooling Body Assy] [Circuit Board Assembly] {CBA 28286447_SRA2 (28286447)}	A
7	[Turbocharger] [ID17 Turbocharger] [Smart Remote Actuator] [General Assembly] [Cover Water Assembly] [Actuator ASM] [Cooling Body Assy] [Cooling Body with Adhesive] [Cooling Body with Motor] [Motor Assembly 24V] [Stator ASM Compete - 24V] [Stator ASM w/bering press 24V] [Stator Overmold 24V] [Stator ASM] {Solder ASM 24V (25385064)}	A
8	[Turbocharger] [ID17 Turbocharger] [Smart Remote Actuator] [General Assembly] [Cover Water Assembly] {Cover Water Finish (25381246)}	A
9	[Turbocharger] [ID17 Turbocharger] {Journal Bearing (4035378)}	A
ID	Path to Sub-Parts Containing Substances	Substance ID

10	[Turbocharger] [ID17 Turbocharger] [Housing Compressor Assembly] {Housing Compressor (5551323)}	A
11	[Turbocharger] [ID17 Turbocharger] [Smart Remote Actuator] [General Assembly] [Cover Water Assembly] [Actuator ASM] [Cooling Body Assy] [Cooling Body with Adhesive] [Cooling Body with Motor] [Cooling Body with Harness] [Harness ASM] {ACRYL 1620 13mm BLK Bulk Material (1701001303S)}	C

## Information on Safe Use of the Substance(s) in the Sub-Components

In general, the Cummins Engine manual provides information on the safe handling of Cummins' components. If available to Cummins, specific REACH Art. 33 information on the safe use of sub-components can be found here:

ID	Information on Safe Use
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