



OEM Approval 101



What is an OEM approval?

An **OEM (Original Equipment Manufacturer)** approval certifies that a lubricant meets the specific performance requirements set by a vehicle manufacturer for its engines.

It is the only formal validation that the oil has been tested and approved against that manufacturer's hardware and performance standards.

Without OEM approval, claims remain unverified.



Understanding the specification landscape

Industry Specifications – The Baseline

Standards such as API, ILSAC, ACEA and JASO define minimum performance levels through prescribed laboratory and engine testing across broad engine categories.

OEM Specifications – The Next Level

OEM standards such as BMW Longlife-14 FE+, VW 508 00/509 00, MB-Approval 229.72 go further.

They are tailored to the unique operating environments inside specific engines and are often more stringent than industry standards.

Many manufacturers now develop proprietary specifications requiring extensive laboratory and engine validation.



Why OEM approval adds value?

An oil with formal OEM approval:

- **Has been tested** in the same hardware used to build the vehicle
- **Protects** the vehicle warranty
- **Supports** fuel economy, durability and emissions compliance
- **Maintains performance** even as the oil ages.

For vehicles under warranty, OEM approval is often mandatory - particularly during warranty investigations.



Why do specifications exist?

Specifications ensure lubricants:

- **Keep pace with evolving engine designs** and tighter emissions regulations
- **Enable improved fuel economy** at lower viscosities without compromising durability
- **Deliver proven protection** and support extended service intervals.



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OEM Approval Overview

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about Castrol products, please call:

Technical Helpline New Zealand:
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Castrol EDGE - Trusted by OEMs

Long-standing connections with many of the world’s leading OEMs ensures Castrol stays at the forefront of technological advancements, providing direct visibility of the latest engine technology and performance requirements.

This connectivity is vital for developing premium lubricants that deliver optimal performance, efficiency, and protection while meeting rigorous manufacturer specifications – as validated by the manufacturer themselves.

This commitment is the reason why the Castrol EDGE range in New Zealand has more formal OEM approvals than the competition*.

Whether a world-first oil like Castrol EDGE 0W-20 LL IV – carrying 10 different OEM approvals from the likes of BMW, Porsche, Mercedes-Benz, Ford, Jaguar Land Rover, Volkswagen and more – or our broader engine oil portfolio, Castrol has your workshop – and our competition – covered.



OEM	APPROVAL	CASTROL	TOTAL	FUCHS	VALVOLINE	PETRONAS	MOBIL	SHELL	PENRITE	VERTEX
BMW	BMW Longlife-01	EDGE 0W-40 A3/B4, EDGE 5W-30 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✗	✓	✗	✗
	BMW Longlife-04	EDGE 0W-30, EDGE 0W-30 LL, EDGE 5W-30 LL, EDGE 5W-30 M	✓	✓	✓	✓	✓	✓	✗	✗
	BMW Longlife-12 FE	✗	✗	✓	✗	✗	✗	✗	✗	✗
	BMW Longlife-14 FE+	✗	✗	✗	✓	✗	✗	✗	✗	✗
	BMW Longlife-17 FE+	EDGE 0W-20 LL IV	✓	✓	✓	✓	✗	✗	✗	✗
	BMW Longlife-19 FE	EDGE 0W-30**	✓	✗	✗	✗	✗	✗	✗	✗
	Approved for BMW M-Models	EDGE 10W-60	✓	✗	✗	✗	✗	✓	✗	✗
CHRYSLER	Meets Chrysler MS 6395	EDGE 0W-20 C5, EDGE 0W-20 LL IV	✓	✓	✓	✗	✓	✓	✗	✗
	Meets Chrysler MS 12145	✗	✓	✓	✓	✗	✗	✗	✗	✗
FIAT	Meets Fiat 9.55535-S2	EDGE 5W-40 M, MAGNATEC 5W-40 SN/C3	✓	✓	✗	✓	✗	✗	✗	✗
	Meets Fiat 9.55535-S4	✗	✓	✓	✗	✗	✗	✗	✗	✗
	Meets Fiat 9.55535-GSX	EDGE 0W-20 C5	✓	✓	✓	✗	✗	✓	✗	✗
	Meets Fiat 9.55535-CR1	EDGE 0W-20 C5	✓	✓	✗	✗	✓	✓	✗	✗
	Meets Fiat 9.55535-GH2	✗	✓	✓	✗	✓	✗	✗	✗	✗
	Meets Fiat 9.55535-DS1	✗	✓	✗	✗	✗	✗	✓	✗	✗
FORD	Meets Ford WSS-M2C913-D	MAGNATEC 5W-30 A5	✓	✓	✓	✓	✓	✓	✗	✗
	Meets Ford WSS-M2C972-A1	EDGE 0W-20 LL IV	✓	✗	✗	✗	✓	✗	✓	✗
	Meets Ford WSS-M2C937-A	EDGE 0W-40 A3/B4	✓	✓	✗	✓	✗	✗	✗	✗
	Meets Ford WSS-M2C946-A	MAGNATEC 5W-30 DX	✓	✗	✗	✓	✓	✗	✗	✗
	Meets Ford WSS-M2C946-B1	MAGNATEC 5W-30 DX	✓	✗	✓	✗	✓	✗	✗	✗
	Meets Ford WSS-M2C947-A	EDGE 0W-20 C5	✓	✗	✓	✗	✓	✗	✗	✗
	Meets Ford WSS-M2C950-A	MAGNATEC 0W-30 D	✓	✓	✓	✓	✓	✗	✗	✗
	Meets Ford WSS-M2C954-A1	MAGNATEC 0W-20 E	✓	✗	✗	✗	✗	✗	✗	✗
	Meets Ford WSS-M2C956-A1	EDGE 0W-20 LL IV	✓	✓	✗	✗	✗	✗	✗	✗
	Meets Ford WSS-M2C957-A1	MAGNATEC 0W-30 D	✓	✗	✗	✗	✗	✗	✗	✗
	Meets Ford WSS-M2C960-A1	MAGNATEC 5W-20	✓	✓	✗	✗	✗	✗	✗	✗
	Meets Ford WSS-M2C961-A1	MAGNATEC 5W-30 DX	✓	✓	✓	✓	✓	✗	✓	✗
	Meets Ford WSS-M2C962-A1	EDGE 0W-20 C5	✓	✓	✓	✓	✓	✗	✓	✗
	Meets Ford WSS-M2C931-E1	EDGE 5W-50 S	✓	✗	✗	✗	✗	✗	✗	✗
	Meets Ford WSS-M2C947-B1	EDGE 0W-20 C5	✓	✓	✗	✗	✓	✗	✗	✗
GM	GM Dexos 2	MAGNATEC DIESEL DX 5W-40	✓	✓	✗	✓	✓	✓	✗	✗
	GM Dexos 1: GEN 3 Licensed	MAGNATEC 5W-30 DX	✓	✓	✓	✓	✓	✗	✗	✗
	GM DexosR	✗	✗	✗	✗	✗	✓	✗	✗	✗
JAGUAR / LAND ROVER	STJLR 03.5003	EDGE Professional A5 5W-30**	✓	✓	✓	✓	✗	✓	✗	✗
	STJLR.03.5004	EDGE Professional A1 5W-20	✓	✓	✓	✓	✗	✗	✗	✗
	STJLR.03.5005	EDGE Professional C1 5W-30	✓	✗	✓	✓	✗	✗	✗	✗
	STJLR.03.5006	EDGE 0W-20 C5, EDGE Professional EC 0W-20	✓	✓	✓	✓	✗	✗	✗	✗
	STJLR.03.5007	EDGE 0W-30 C2, EDGE Professional E 0W-30	✓	✓	✓	✓	✗	✗	✗	✗
MERCEDES BENZ	MB-Approval 226.51	GTX 5W-30 C4	✓	✓	✓	✓	✗	✗	✗	✗
	MB-Approval 229.3	Refer to newer 229.5 specs	✓	✗	✓	✓	✓	✗	✗	✗
	MB-Approval 229.5	EDGE 0W-40 A3/B4, EDGE 5W-30 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✓	✓	✓	✗
	MB-Approval 229.31	EDGE 0W-30 LL, EDGE 5W-30 LL	✓	✓	✓	✗	✓	✓	✗	✗
	MB-Approval 229.51	EDGE 0W-30 LL, EDGE 5W-30 LL, EDGE 5W-30 M	✓	✓	✓	✓	✓	✓	✓	✗
	MB-Approval 229.52	EDGE 5W-30 M	✓	✓	✓	✓	✓	✓	✓	✗
	MB-Approval 229.61	✗	✗	✗	✗	✗	✗	✗	✗	✗
	MB-Approval 229.71	EDGE 0W-20 C5, EDGE 0W-20 LL IV	✓	✓	✓	✓	✗	✗	✗	✗
	MB-Approval 229.72	EDGE 0W-20 LL IV	✓	✓	✗	✓	✗	✗	✗	✗
PORSCHE	Porsche A40	EDGE 0W-40 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✓	✓	✗	✗
	Porsche C30	EDGE 0W-30 LL, EDGE 5W-30 LL	✓	✓	✓	✓	✓	✓	✗	✗
	Porsche C20	EDGE 0W-20 LL IV	✓	✓	✓	✓	✗	✗	✗	✗
	Porsche C40	EDGE 5W-40 M	✓	✓	✗	✗	✗	✗	✗	✗
RENAULT	Renault RN 0700	EDGE 0W-40 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✓	✓	✗	✗
	Renault RN 0710	EDGE 0W-40 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✓	✓	✗	✗
	Renault RN 0720	GTX 5W-30 C4	✓	✓	✓	✓	✗	✗	✗	✗
	Renault RN 17	GTX 5W-30 RN17	✓	✗	✓	✗	✗	✗	✗	✗
VOLKSWAGEN	VW 502 00/505 00	EDGE 0W-40 A3/B4, EDGE 5W-30 A3/B4, EDGE 5W-40 A3/B4	✓	✓	✓	✓	✓	✓	✗	✗
	VW 504 00/ 507 00	EDGE 0W-30 LL, EDGE 5W-30 LL	✓	✓	✓	✓	✓	✓	✓	✗
	VW 508 00/ 509 00	EDGE 0W-20 LL IV	✓	✓	✓	✓	✗	✗	✓	✗
	VW 511 00	EDGE 0W-40 LL#	✓	✓	✗	✗	✗	✗	✗	✗
VOLVO	Volvo VCC RBS0-2AE	Refer to newer C6SP SAE 0W-20 specs	✓	✓	✓	✓	✗	✗	✗	✗
	Volvo VCC C6SP SAE 0W-20	EDGE Professional VE 0W-20	✓	✗	✗	✓	✗	✗	✗	✗

** Available on request

To be launched in Q1 2027

* This document is based on an audit of publicly available information regarding automotive engine oils in the New Zealand market as of 15th May 2026. All data is provided for general reference only and is subject to change. No liability is accepted for errors, omissions, or subsequent changes to product formulations or OEM specifications. Final product selection should always be verified against the latest manufacturer Product Data Sheet (PDS) and the specific vehicle owner’s manual.