

## 40094 Interpret maintenance product information in an automotive environment

<b>Kaupae   Level</b>	4
<b>Whiwhinga   Credit</b>	5
<b>Whāinga   Purpose</b>	<p>This skill standard is intended for people who are already working in the automotive industry. They will be able to describe different types of automotive maintenance products and their applications, interpret maintenance product information and recommend compatible products to customers in an automotive environment.</p> <p>This skill standard aligns with New Zealand Automotive qualifications Level 4 and above.</p>

### Hua o te ako me Paearu aromatawai | Learning outcomes and assessment criteria

Hua o te ako   Learning outcomes	Paearu aromatawai   Assessment criteria
1. Describe different types of automotive maintenance products and their applications in an automotive environment.	a. Describe different types of automotive oils, coolants, transmission fluids, brake fluids, additives, sealants, and their applications.
2. Interpret maintenance product specifications to make recommendations to customers in an automotive environment.	a. Interpret specifications and manufacturer recommendations for different types of automotive maintenance products.
	b. Identify when substitute automotive maintenance products can be used safely.
	c. Recommend compatible automotive maintenance products to customers.

### Pārongo aromatawai me te taumata paearu | Assessment information and grade criteria

#### Assessment specifications:

Evidence presented against assessment criterion 1a must include a minimum of three types of each maintenance product and a brief description of their composition and application.

Evidence presented against assessment criterion 2a must include a minimum of two examples for each maintenance product.

Evidence presented for assessment against this skill standard must be consistent with safe working practices and be in accordance with applicable service information, workplace procedures and legislative requirements.

**Definitions:**

**Maintenance products** include engine oils, transmission fluids, brake fluids, coolant, sealants and additives.

**Workplace procedures** refer to organisation policies and procedures that are documented in memo, electronic, or manual format and available in the workplace. They may include but are not limited to – standard operating procedures, site specific procedures, site safety procedures, equipment operating procedures, quality assurance procedures, product quality specifications, manufacturer's requirements, references, approved codes of practice, housekeeping standards, environmental considerations, on-site briefings, supervisor's instructions, and procedures to comply with legislative and local body requirements relevant to the automotive industry.

**Ngā momo whiwhinga | Grades available**

Achieved.

**Ihirangi waitohu | Indicative content****Maintenance product categories**

- Automotive oils – synthetic, semi-synthetic, mineral based.
- Brake fluids – synthetic (variations), mineral.
- Coolants – inorganic acid technology (IAT), organic acid technology (OAT), hybrid organic acid technology (HOAT).
- Sealants – acrylic or polymer variations.
- Transmissions fluids – synthetic, semi-synthetic, mineral based.

**Maintenance product interpretation**

- Manufacturer's recommendations for fluid type and oil viscosity.
- Product specifications including any product ratings and certification, composition, performance characteristics and compatibility with different vehicle makes and models, and compatibility with substitute products.
- Product data sheets.
- Communication of results of oil sample reports (where applicable).

**Rauemi | Resources**

Legislation and resources relevant to this skill standard include:

- Hazardous Substances and New Organisms Act 1996
- Health and Safety at Work Act 2015
- Health and Safety at Work (General Risk and Workplace Management) Regulations 2016
- Health and Safety at Work (Hazardous Substances) Regulations 2017
- Hazardous Substances (Classification) Notice 2017
- Hazardous Substances (Hazardous Property Controls) Notice 2017
- WorkSafe Quick Guide – Safety data sheets in the workplace. Available from:  
<https://www.worksafe.govt.nz/>
- WorkSafe New Zealand. (2017). Your Practical Guide – Working Safely with Hazardous Substances, known as (part of) The Hazardous Substances Toolbox. Available from:  
<https://www.hazardoussubstances.govt.nz/guide>.

Any new, amended or replacement Acts, regulations, standards, codes of practice, guidelines, or authority requirements or conditions affecting this skill standard will take precedence for assessment purposes, pending review of this skill standard. Legislation can be accessed at:  
<https://www.legislation.govt.nz>.

**Pārongo Whakaū Kouna | Quality assurance information**

<b>Ngā rōpū whakatau-paerewa  </b> Standard Setting Body	Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development Council
<b>Whakaritenga Rārangi Paetae Aromatawai  </b> DASS classification	Engineering and Technology > Motor Industry > Automotive Preventive Maintenance
<b>Ko te tohutoro ki ngā Whakaritenga i te Whakamanatanga me te Whakaōritenga  </b> CMR	0014

<b>Hātepe   Process</b>	<b>Putanga   Version</b>	<b>Rā whakaputa   Review Date</b>	<b>Rā whakamutunga mō te aromatawai   Last date for assessment</b>
<b>Rēhitatanga   Registration</b>	1	25 July 2024	N/A
<b>Kōrero whakakapinga   Replacement information</b>	N/A		
<b>Rā arotake   Planned review date</b>	31 December 2029		

Please contact Hanga-Aro-Rau Manufacturing, Engineering and Logistics Workforce Development at [qualifications@hangaarorau.nz](mailto:qualifications@hangaarorau.nz) to suggest changes to the content of this skill standard.