



Technical Journal

TITLE:

Oil Consumption test

REF NO:
TJ 35526.1.3ISSUING DEPARTMENT:
Technical ServiceCAR MARKET:
United States and CanadaPARTNER:
3 US 7510 Volvo Car USAISSUE DATE:
2020-10-23STATUS DATE:
2020-10-29FUNC GROUP:
2201FUNC DESC:
OIL CONSUMPTION TEST

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“Right first time in Time”

Attachment

File Name	File Size
Revised Oil Consumption vehicle report guidelines.pdf	0.1239 MB
Revised oil consumption job aid.pdf	0.0498 MB
tamper seal example.PNG	0.1048 MB
weight of oil consumption.pdf	0.0588 MB

Vehicle Type

Type	Eng	Eng Desc	Sales	Body	Gear	Steer	Model Year	Plant	Chassis range	Struc Week Range
1XX							0-0		-	0-0
2XX							0-0		-	0-0
3XX							0-0		-	0-0
5XX							0-0		-	0-0
XXX							0-0		-	0-0

CSC Customer Symptom Codes

Code	Description
AZ	Lubrication and oil system/Excessive oil consumption

VST Operation Number

VST Operation Number	Description
22161-2	Oil Consumption test



DTC Diagnostic Trouble Codes

Rows beginning with * are modified

Note! If using a printed copy of this Technical Journal, first check for the latest online version.

DESCRIPTION:

*Updated vehicle type and revised attachments

This Technical Journal is for all engine variants.

Before diagnosing an oil consumption complaint, always check for external leakage on and around the engine. Diagnose and repair these issues before starting an oil consumption test.

All vehicles must have an oil consumption test performed to validate excessive oil consumption prior to further diagnosing of engine.

It is recommended to use tamper proof tape that can be sourced locally to cover oil cap and drain plug during consumption test. (see example)

See attached guidelines for information needed in vehicle report

See attached Job aid for reference.

SERVICE:

Perform prerequisite TJs if applicable at start of oil consumption test:

4 cylinder (VEP) engine, perform TJ 30087 if applicable.

5 cylinder engines , no prerequisite TJ

6 cylinder (SI6) engine, perform TJ 28530, 29332 or 30021 if applicable.

All engine variants then proceed with oil consumption test.

This test must be documented and followed within the guidelines of VIDA to be valid.

Profile Vehicle in VIDA, read out any diagnostic trouble codes (DTC) and type Oil Consumption in the search to locate the test procedure.

VIDA Path:

Repair/ Cleaning, Inspection and Adjustment/ 2 Engine with mountings and equipment/ 22 lubricating and oil system/ 220 general/ oil consumption test

VEHICLE REPORT:

Please follow the general TIE Reporting guidelines available in the TIE system under “Instructions” or the SPJ 27125 TIE Quick Guide (Dealers).

If this information cannot be found, please check other SPJ's or TJ's released locally by your market responsible office or the Dealer Development Platform <https://ddp.volvocars.biz/>.

When submitting a Vehicle Report for a condition described in this TJ, use concern area “Vehicle Report and sub concern area “Support Needed” with function group 2201.

To view TJ attachments continue to next page. This TJ has four attachments.



Sponsored ⓘ

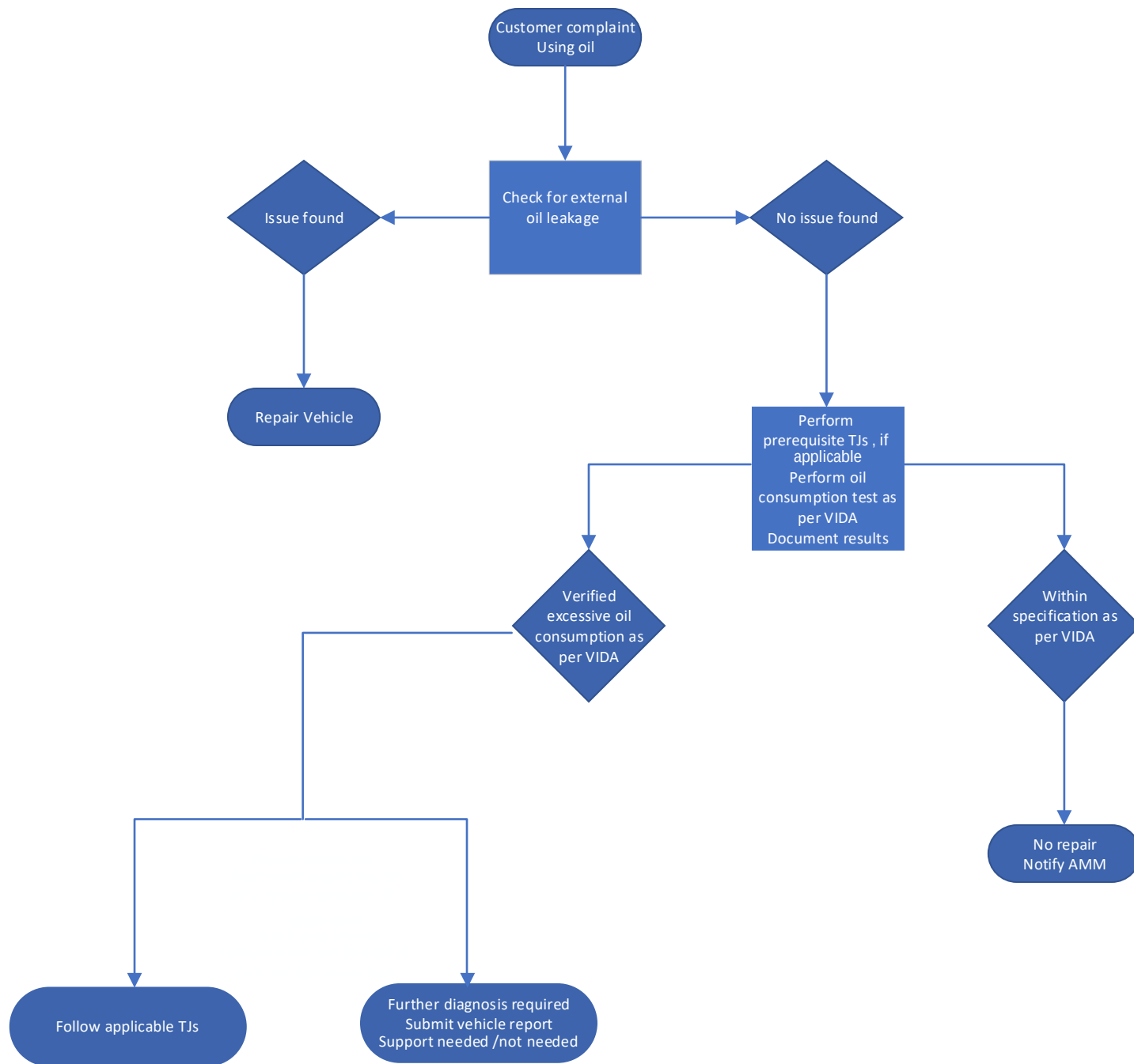
100pcs 100% Total Transfer
Tamper Evident Security Warranty
Void Stickers/Labels/Seals (Red, 1 x
3.35 Inches, Serial Numbers -...



Oil consumption vehicle report guidelines

If no TJ's are applicable and technical support is needed, the following information should be added to a vehicle report in the first communication. This will help to eliminate the second response of additional information needed and avoid delaying the proper repair to the customer vehicle.

- VIDA readout
- Oil consumption test
 - Start date/mileage
 - Finish date/ mileage
 - Results
- Complete vehicle service history
- Vehicle ownership (speak with customer)
 - 1st owner
 - 2nd owner
 - other
 - New driver/commute
- Document Engine health
 - Spark plug photos
 - Rear of vehicle photo
 - Compression test results (dry/wet)
 - Cylinder leak down results





Weight of engine oil

Vehicle:

Chassis type:	
Chassis number:	
Date of arrival:	
Engine number:	
Odometer reading (km):	
Checks carried out by:	

1. Mileage:

Odometer reading, before check	(km)
Odometer reading, after check	(km)
Mileage driven "A"	(km)

2. Weighing:

Weight of oil before test drive	(gram)
Weight of oil after test drive	(gram)
Consumed oil weight	(gram)
Volume of consumed oil "B" , (870 gram = 1 litre)	(litres)

3. Calculation of consumed oil:

Volume of consumed oil "B" divided by the test drive distance "A" multiplied by 1000 = consumed (B / A x 1000 = consumption)	(litres/1000km)
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