



Condition

Applicable Vehicles					
Model(s)	Year	Eng. Code	Trans. Code	VIN Range From	VIN Range To
All (Except Routan)	2000-2021	All	All	All	All

Revision Table			
Instance Number	Published Date	Version Number	Reason For Update
2017813/14	11/5/20	17-18-06	To include 2020 & 2021 model year applicability.
2017813/1	12/10/08	V170803	Original publication.

Customer states oil consumption is higher than the Volkswagen oil consumption standard of up to 0.5 quarts per 600 miles, or 0.5 liters per 1000 km.

Technical Background

In order to provide effective lubrication and cooling of internal engine components, all internal combustion engines consume a certain amount of engine oil. Oil consumption varies from engine to engine and may change significantly over the life of the engine.

Typically, engines with specified break-in periods consume more oil during the break-in period, and the oil consumption will stabilize after the break-in period. Refer to the *Owner Manual* for specific break-in procedures.

Under normal conditions, the rate of oil consumption depends on the quality and viscosity of the oil, the RPM at which the engine is operated, the ambient temperature and road conditions.

Further factors include the amount of oil dilution from water condensation or fuel residue and the oxidation level of the oil.

Production Solution

Not applicable.



17-18-06 - Oil Consumption Measurement

Release date: 11/5/2020

Service

Before testing or attempting repair, explain Technical Background to the customer.

Prior to beginning Part # 1 of this test, visually inspect the engine for any signs of leaks. If leaks are present, repair per Elsa before continuing with this bulletin.

If the customer complains that their engine is apparently consuming oil in excess of the Volkswagen oil consumption standard above, an oil consumption test must be performed using the test plan in the VAS 6150/X or VAS 6160/X tester, **before any repair is carried out.**

Oil Consumption Test, Part # 1

Using the VAS tester, navigate to the Oil consumption measurement using one of the provided methods below:

ODIS Service

- Diagnosis Operating Mode: Special functions top tab >> 17 – Sub systems, marginal conditions >> 01 – Oil consumption measurement >> Select “Perform Test” button.



Tip:

If the test is not located using the path above, use the search feature to find the “Oil Consumption Measurement” test plan.

Oil Consumption Test, Part # 2

1. When the customer returns the vehicle to the dealership after a minimum of 630 miles (1014 km), complete part # 2 of the oil consumption test plan using ODIS Service or the VAS 6150/X or VAS 6160/X tester.
2. Contact the Volkswagen Technical Assistance Center (TACS) with the results.
3. The results and diagnostic log must be sent to the Volkswagen Technical Assistance Center (TACS) before any repairs are performed.



Note:

GFF oil consumption test can also be used for older engines not listed in the GFF test plan, since the test and procedure is identical for all engines. Please use any current engine code.



Warranty

To determine if this procedure is covered under Warranty, always refer to the Warranty Policies and Procedures Manual ¹⁾					
Model(s)	Year(s)	Eng. Code(s)	Trans. Code(s)	VIN Range From	VIN Range To
All Vehicles (except Routan)	2000-2021	All	All	All	All
SAGA Coding					
Claim Type:	Use applicable Claim Type ¹⁾				
Service Number:	Damage Code	HST	Damage Location (Depends on Service No.)		
1716	0010	--	--		
Parts Manufacturer	Phaeton, Golf, Rabbit, GTI, R32, Eos, Passat Sedan, Passat Wagon, Tiguan, Tiguan LWB, Atlas, Touareg, CC, Atlas Cross Sport, Arteon			WVO ²⁾	
	Jetta, Beetle, Beetle Convertible, Jetta Wagon, Golf Wagon, Jetta SportWagen, Golf SportWagen			3ME ²⁾	
Labor Operation ³⁾: Oil consumption test part # 1			17160199 = 90 TU		
Labor Operation ³⁾: Oil consumption test part # 2			17160299 = 60 TU		
Causal Part: Select Labor Operation			17160199		
Diagnostic Time ⁴⁾					
GFF Time expenditure	01500000 = 00 TU max.			NO	
Road Test	01210002 = 00 TU			NO	
	01210004 = 00 TU				



17-18-06 - Oil Consumption Measurement

Release date: 11/5/2020

Technical Diagnosis	01320000 = 00 TU max.	NO
Claim Comment: Input "As per Technical Bulletin 2017813" in comment section of Warranty Claim.		
<p>1) Vehicle may be outside any Warranty in which case this Technical Bulletin is informational only.</p> <p>2) Code per warranty vendor code policy.</p> <p>3) Labor Time Units (TUs) are subject to change with ELSA updates.</p> <p>4) Documentation required per Warranty Policies and Procedures Manual.</p>		

Required Parts and Tools

Part Description	Part No:
Engine Oil	See ETKA

Tool Description	Tool No:
VAS Diagnostic Tool	VAS 6150/X & VAS 6160/X with ODIS Service with: current online updates
Midtronics Battery tester/charger	InCharge 940 (INC-940) or GRX3000VAS
Digital Scale	CPWP15

Digital scale with 15 kilogram capacity and 5 gram accuracy, tool number CPWP15, can be obtained by contacting the VW Tools and Equipment Program at www.tools.vw.com or by calling 1-800-892-9650.

Additional Information

All part and service references provided in this Technical Bulletin are subject to change and/or removal. Always check with your Parts Dept. and Repair Manuals for the latest information.

Oil Consumption Measurement

Date: _____

1. Dealer Data

Importer Number: _____ Dealer number: _____

Contact person: _____

Telephone: _____ Fax: _____

2. Vehicle Data

Vehicle Identification Number (VIN): _____

Warranty start date: _____

Model: _____

Engine code: _____

License plate number: _____

3. Customer report

Oil consumption as per customer: _____ quart(s)/1000

Complaint since (date/mileage): _____

Driving profile:

_____ % City

_____ % Country

_____ % Highway

4. Measuring data

Oil fill amount per ServiceNet, Maintenance, fluid capacity chart _____ quarts

Filled oil amount before road test _____ grams

Drained amount of oil after road test _____ grams

Road test: Start: _____ Miles

END: _____ Miles

= _____ Miles driven

Calculated oil consumption _____ quart(s) / 1000 miles

Date: _____	Signature: _____
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