

LAB REPORT



Kerschelweg 28 · 83098 Brannenburg · Germany
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Unit ID **CB9072AT**
Component **4-Takt Benzinmotor**
Current sample number **3308172**

page 1 of 2

OELCHECK GmbH · Postfach 1116 · 83094 Brannenburg

C/O Vrachanski
Mr Dimitar Mintov
Geroldshäuser Straße 37
97271 Kleinrinderfeld

Machine type: **Not reported**
Manufacturer: **Subaru**
Sample from: **Benzin+4PG**
Oil brand name: **Amsoil Signature 5W-30**
Oil quantity in system: **5,5 l**

Diagnosis for the current laboratory values

#3308173 = Frischöl. #3308172 = Gebrauchtöl. The wear values are in the normal range. Viscosity and additive levels are in the normal range. The fuel content is negligible or is lower than the detection limit. If no oil change has happened yet, it is possible to continue using the oil under similar operating conditions and under continuation of the usual maintenance schedule. I recommend that you send the next sample at the next service interval or at your regular inspection for trend analysis.

Dipl. Wi-Ing. (FH) Rainer Schöpf (MLA II)

Sample Rating



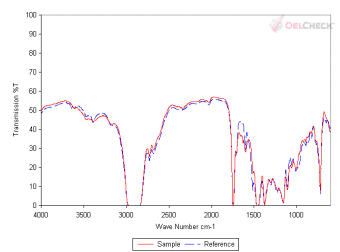
normal

ANALYSIS RESULTS			Current sample	Previous samples	
LAB NUMBER			3308172		
SAMPLE RATING			✓		
Date tested			20.03.2017		
Date of sample taken			03.02.2017		
Date of last oil change			05.09.2016		
Top-up since change			-		
Operating time since change			-		
Total operating time km			7000		
Oil changed			no		
WEAR					
Iron	Fe	mg/kg	15		
Chrome	Cr	mg/kg	1		
Tin	Sn	mg/kg	0		
Aluminum	Al	mg/kg	3		
Nickel	Ni	mg/kg	0		
Copper	Cu	mg/kg	3		
Lead	Pb	mg/kg	0		
Manganese	Mn	mg/kg	0		
PQ index	-		< 25		
CONTAMINATION					
Silicon	Si	mg/kg	10		
Potassium	K	mg/kg	1		
Sodium	Na	mg/kg	3		
Water	%		< 0.10		
IR Glycol	-		negative		
Diesel fuel	%		1.05		
Biodiesel	%		< 0.30		
Soot content	%		< 0.1		
OIL CONDITION					
Viscosity at 40°C	mm²/s		58.35		
Viscosity at 100°C	mm²/s		10.27		
Viscosity index	-		166		
Oxidation	A/cm		1		
Nitration	A/cm		4		
Sulfation	A/cm		5		
IR index	-		98.07		
Dispersancy	%		94		
ADDITIVES					
Calcium	Ca	mg/kg	3246		
Magnesium	Mg	mg/kg	13		
Boron	B	mg/kg	130		
Zinc	Zn	mg/kg	795		
Phosphorus	P	mg/kg	661		
Barium	Ba	mg/kg	0		
Molybdenum	Mo	mg/kg	134		
Sulphur	S	mg/kg	2649		

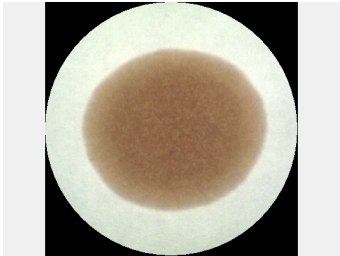
Bottle and Cap



Infrared Spectrum



CCD oil spot



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ADDITIONAL TESTS				
BN mgKOH/g	10.72			

