

LAB REPORT



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Unit ID **CB9072AT**
Component **Petrol Engine**
Current sample number **3403991**

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AP1 Ltd.
Mr Alexander Ivanov
18 Pop Gruio Str.
1000 SOFIA
BULGARIA

Machine type: **Outback**
Manufacturer: **Subaru**
Oil brand name: **Amsoil Sigseries 5W-30**
Oil quantity in system: **55 l**

Diagnosis for the current laboratory values

The wear values are in the normal range. The fuel content is negligible or is lower than the detection limit. Viscosity and additive levels are in the normal range. 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



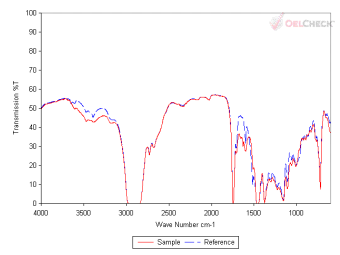
normal

ANALYSIS RESULTS			Current sample	Previous samples	
LAB NUMBER			3403991		
SAMPLE RATING					
Date tested			29.06.2017		
Date of sample taken			26.05.2016		
Date of last oil change			05.09.2016		
Top-up since change			l 1		
Operating time since change			km 12000		
Total operating time			h 320		
Oil changed			-		
WEAR					
Iron	Fe	mg/kg	20		
Chrome	Cr	mg/kg	0		
Tin	Sn	mg/kg	0		
Aluminum	Al	mg/kg	3		
Nickel	Ni	mg/kg	0		
Copper	Cu	mg/kg	2		
Lead	Pb	mg/kg	0		
Manganese	Mn	mg/kg	0		
PQ index	-		< 25		
CONTAMINATION					
Silicon	Si	mg/kg	8		
Potassium	K	mg/kg	0		
Sodium	Na	mg/kg	3		
Water	%		< 0.10		
IR Glycol	-		negative		
Fuel content	%		< 0.30		
OIL CONDITION					
Viscosity at 40°C	mm²/s		57.27		
Viscosity at 100°C	mm²/s		10.08		
Viscosity index	-		165		
Oxidation	A/cm		1		
Nitration	A/cm		6		
Sulfation	A/cm		5		
Dispersancy	%		100		
Soot index	-		0.2		
ADDITIVES					
Calcium	Ca	mg/kg	3194		
Magnesium	Mg	mg/kg	13		
Boron	B	mg/kg	106		
Zinc	Zn	mg/kg	786		
Phosphorus	P	mg/kg	670		
Barium	Ba	mg/kg	0		
Molybdenum	Mo	mg/kg	120		
Sulphur	S	mg/kg	2669		
ADDITIONAL TESTS					
BN	mgKOH/g		9.19		

Bottle and Cap



Infrared Spectrum



CCD oil spot

