



OIL REPORT

LAB NUMBER:
 REPORT DATE: 2/1/2019
 CODE: 63/32

UNIT ID: 11 WRX
 CLIENT ID:
 PAYMENT: CC: Visa

UNIT	MAKE/MODEL: Subaru 2.5L (EJ25) 4-cyl Turbo	OIL TYPE & GRADE: Shell Rotella T6 5W/40
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 700 Miles
	ADDITIONAL INFO: Impreza, tuned	

CLIENT	
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COMMENTS Great report. You mentioned a dyno tune and high-RPM driving. Hard use like that has the potential to cause high metals, but not this time. Going down the line, metals are quite low compared to both averages and the last sample. That's good evidence internal parts are keeping up fine. Running this oil longer wouldn't be a problem, if you're interested. The viscosity is in the 5W/40 range, right where it should be. The oil filter isn't close to being used up (note the low insolubles), and we didn't find any harmful contamination to speak of. Looking good at 70k miles.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	700	UNIT / LOCATION AVERAGES	2,500					UNIVERSAL AVERAGES
	MI/HR on Unit	70,000		65,000					
	Sample Date	1/19/2019		2/10/2018					
	Make Up Oil Added	0 qts							
ALUMINUM	2	2	2					4	
CHROMIUM	0	0	0					1	
IRON	5	6	6					9	
COPPER	1	2	2					8	
LEAD	0	0	0					2	
TIN	0	0	0					1	
MOLYBDENUM	2	32	61					74	
NICKEL	0	0	0					0	
MANGANESE	0	0	0					2	
SILVER	1	3	4					1	
TITANIUM	1	1	0					1	
POTASSIUM	2	1	0					3	
BORON	147	89	31					54	
SILICON	7	6	4					10	
SODIUM	5	7	8					27	
CALCIUM	1885	1401	917					1855	
MAGNESIUM	105	601	1096					405	
PHOSPHORUS	971	1005	1038					850	
ZINC	1095	1184	1273					1002	
BARIUM	0	0	0					0	

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°	78.4	65-78	73.7				
cSt Viscosity @ 100°C	15.11	11.6-15.3	13.93				
Flashpoint in °F	395	>375	405				
Fuel %	<0.5	<2.0	<0.5				
Antifreeze %	0.0	0.0	0.0				
Water %	0.0	0.0	0.0				
Insolubles %	0.1	<0.6	0.1				
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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