



OIL REPORT

LAB NUMBER:
REPORT DATE: 4/11/2019
CODE: 20/32

UNIT ID: 11 SONATA
CLIENT ID:
PAYMENT: Prepaid

UNIT	MAKE/MODEL: Hyundai 2.0L G4K GDI Turbo	OIL TYPE & GRADE: Super Tech 5W/30
	FUEL TYPE: Gasoline (Unleaded)	OIL USE INTERVAL: 3,724 Miles
	ADDITIONAL INFO:	

CLIENT	:
	:
	:
	:
	:

COMMENTS	Your Hyundai checks out in this initial report. Poor bearing wear (or bearing failure) will cause high aluminum in our tests, and lead is below average at 4 ppm. Other metals like iron and copper are also quite low, so your engine seems to be wearing just fine on this Super Tech oil. Typical wear can be found in universal averages, based on oil run ~5,700 miles. A trace of fuel is present, but that's not enough to cause a problem. Small amounts of fuel are usually from the sampling method, such as idling before an oil change. Good report!

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil	3.724	UNIT / LOCATION AVERAGES						UNIVERSAL AVERAGES
	MI/HR on Unit	69.681							
	Sample Date	3/30/2019							
	Make Up Oil Added	0 qts							
	ALUMINUM	4	4						5
	CHROMIUM	0	0						0
	IRON	8	8						14
	COPPER	1	1						4
	LEAD	0	0						0
	TIN	0	0						0
	MOLYBDENUM	70	70						69
	NICKEL	0	0						0
	MANGANESE	0	0						2
	SILVER	0	0						1
	TITANIUM	0	0						2
	POTASSIUM	1	1						2
	BORON	82	82						37
	SILICON	11	11						14
	SODIUM	5	5						36
	CALCIUM	1373	1373						1610
	MAGNESIUM	465	465						389
	PHOSPHORUS	754	754						697
	ZINC	779	779						803
	BARIUM	0	0						0

Values
Should Be*

PROPERTIES	SUS Viscosity @ 210°	55.5	55-63					
	cSt Viscosity @ 100°C	8.82	8.8-11.3					
	Flashpoint in °F	375	>375					
	Fuel %	TR	<2.0					
	Antifreeze %	0.0	0.0					
	Water %	0.0	<0.1					
	Insolubles %	0.4	<0.6					
	TBN							
	TAN							
	ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE.

FORT WAYNE, IN 46806

(260) 744-2380