



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