



OIL REPORT

LAB NUMBER: P76251 **UNIT ID:** 21 BRONCO
REPORT DATE: 5/24/2022 **CLIENT ID:** 52323
CODE: 20/68 **PAYMENT:** CC Online

UNIT MAKE/MODEL: Ford 1.5L EcoBoost OIL TYPE & GRADE: Valvoline SynPower 0W/20
FUEL TYPE: Gasoline (Unleaded) OIL USE INTERVAL: 5,000 Miles
ADDITIONAL INFO:

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COMMENTS Your new Bronco Sport is off to a great start! Copper and silicon are elevated, but this is nearly always the case in the first few oil changes from a new engine. The copper comes from lingering brass/bronze wear-in, and silicon is mainly from residual factory sealers and lubes. This material often takes a few oil changes to disappear entirely, but before long we should see low silicon and a wear profile that matches up pretty well with universal averages. Those show mature 1.5L EcoBoost wear after about 6,300 miles of oil use. Just check back for wear-in updates.

ELEMENTS IN PARTS PER MILLION	MEASURED VALUE	UNIT / LOCATION AVERAGES	UNIVERSAL AVERAGES					
			1	2	3	4	5	6
MI/HR on Oil	5,000							
MI/HR on Unit	6,105							
Sample Date	5/17/2022							
Make Up Oil Added								
ALUMINUM	4							6
CHROMIUM	0							0
IRON	11							12
COPPER	29							1
LEAD	1							0
TIN	0							0
MOLYBDENUM	266							82
NICKEL	0							0
MANGANESE	1							1
SILVER	0							0
TITANIUM	0							4
POTASSIUM	7							3
BORON	45							51
SILICON	72							18
SODIUM	5							14
CALCIUM	1431							1301
MAGNESIUM	517							565
PHOSPHORUS	695							684
ZINC	848							772
BARIUM	1							2

PROPERTIES	Should Be		
	SUS Viscosity @ 210°F	47.0	46-57
	cSt Viscosity @ 100°C	6.36	6.0-9.7
	Flashpoint in °F	425	>385
	Fuel %	<0.5	<2.0
	Antifreeze %	0.0	0.0
	Water %	0.0	<0.1
	Insolubles %	TR	<0.6
	TBN		
	TAN		
	ISO Code		

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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