



OIL REPORT

LAB NUMBER:
 REPORT DATE: 3/11/2019
 CODE: 22/685

UNIT ID: 5W30
 CLIENT ID:
 PAYMENT: CC: Discover

UNIT	MAKE/MODEL: Virgin 5W/30	OIL TYPE & GRADE: 5W/30
	FUEL TYPE:	OIL USE INTERVAL:
	ADDITIONAL INFO:	

CLIENT	
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COMMENTS Nothing unusual found in this virgin 5W/30 sample. The main detergent/dispersant additives are boron, calcium, and magnesium. Molybdenum, phosphorus, and zinc are anti-wear additives. Silicon is a harmless anti-foaming additive in this oil. It's good to know it's there, because the silicon additive will boost the silicon reading in your used oil samples. But we'll know it's not dirt; the extra silicon is additive. The viscosity read in the 5W/30 range and no water or solids showed up. The TBN starts out plenty strong at 6.7. We consider a reading of 1.0 or less too low. This oil should work well in its intended application.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	2/26/2019						
	Make Up Oil Added							
ALUMINUM	0	1					1	
CHROMIUM	0	0					0	
IRON	0	1					1	
COPPER	0	0					0	
LEAD	0	0					1	
TIN	0	0					0	
MOLYBDENUM	43	43					62	
NICKEL	0	0					0	
MANGANESE	0	0					0	
SILVER	0	0					0	
TITANIUM	0	0					1	
POTASSIUM	0	0					5	
BORON	190	190					78	
SILICON	11	11					4	
SODIUM	2	2					37	
CALCIUM	1420	1420					1802	
MAGNESIUM	440	440					105	
PHOSPHORUS	839	839					677	
ZINC	940	940					790	
BARIUM	0	0					0	

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°	61.7	54-65					
cSt Viscosity @ 100°C	10.69	8.5-11.9					
Flashpoint in °F	425	>380					
Fuel %	-	<2.0					
Antifreeze %	-	0.0					
Water %	0.0	0.0					
Insolubles %	0.0	<0.6					
TBN	6.7	>1.0					
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

416 E. PETTIT AVE. FORT WAYNE, IN 46806 (260) 744-2380