



OIL REPORT

LAB NUMBER: L03258
 REPORT DATE: 3/25/2019
 CODE: 1/700

UNIT ID: VIRGIN 5W30
 CLIENT ID:
 PAYMENT: Prepaid

UNIT	MAKE/MODEL: Virgin 5W/30	OIL TYPE & GRADE: Joe Gibbs LS30 5W/30
	FUEL TYPE:	OIL USE INTERVAL:
	ADDITIONAL INFO: Joe Gibbs Driven LS30 Synthetic 5W/30	

CLIENT	
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COMMENTS This is the virgin sample of the 5W/30-grade Joe Gibbs Driven LS30, and the additive package is a bit different from the HR formulation. Calcium, phosphorus, and zinc are still the main additives present, but there's also a fair amount of molybdenum (another anti-wear additive) and boron, which is meant to keep the wear and dirt in suspension so they can be filtered out. Other elements like titanium, potassium, silicon, sodium, and magnesium are present in negligible amounts. The viscosity was correct for 5W/30 and no insolubles were found. This is serviceable oil.

ELEMENTS IN PARTS PER MILLION	MI/HR on Oil		UNIT / LOCATION AVERAGES					UNIVERSAL AVERAGES
	MI/HR on Unit							
	Sample Date	3/19/2019						
	Make Up Oil Added							
ALUMINUM	0	0						1
CHROMIUM	0	0						0
IRON	0	0						1
COPPER	0	0						0
LEAD	0	0						1
TIN	0	0						0
MOLYBDENUM	565	283						62
NICKEL	0	0						0
MANGANESE	0	0						0
SILVER	0	0						0
TITANIUM	0	1						1
POTASSIUM	0	1						5
BORON	192	96						78
SILICON	6	5						5
SODIUM	5	3						37
CALCIUM	1883	1280						1805
MAGNESIUM	9	11						103
PHOSPHORUS	1232	1821						677
ZINC	1339	2023						790
BARIUM	0	0						0

Values Should Be*

PROPERTIES							
SUS Viscosity @ 210°	65.6	57-65					
cSt Viscosity @ 100°C	11.77	9.4-11.9					
Flashpoint in °F	455	>410					
Fuel %	-	<2.0					
Antifreeze %	-	0.0					
Water %	0.0	0.0					
Insolubles %	0.0	<0.6					
TBN							
TAN							
ISO Code							

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE

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