



# 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

FUEL TYPE:

ADDITIONAL INFO: Joe Gibbs Driven LS30 Synthetic 5W/30

OIL TYPE &amp; GRADE: Joe Gibbs LS30 5W/30

OIL USE INTERVAL:

CLIENT

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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