



Nissen-CHE-SILV-1500-ENG

Unit ID: 391

ANALYSIS REPORT

Machine Type: Gasoline Engine **Received:** 10/18/2018 **ATTN:** MARTY NISSEN
Fluid In Use: OW20 **Report:** 10/18/2018
Lube Brand: REDLINE **Model:** CHEVY SILVERADO 1500 4-3 V6
Make: CHEVROLET

Date		10/16/2018						
Lab Number	NEW OIL	2360862						
Lube Miles		5,000						
Machine Miles		80,000						

SPECTROSCOPIC ANALYSIS (ppm) ASTM D5185 Mod								
Iron		12						
Copper		24						
Lead		2						
Aluminum		2						
Tin		8						
Nickel		0						
Chromium		0						
Titanium		0						
Vanadium		0						
Silver		0						
Silicon		11						
Boron		56						
Calcium		2185						
Magnesium		6						
Phosphorus		800						
Zinc		888						
Barium		3						
Molybdenum		417						
Sodium		20						
Potassium		2						

PHYSICAL PROPERTIES								
Viscosity @ 40C ASTM D 445 Mod		43.5						
Viscosity @ 100C ASTM D 445 Mod		8.5						
Viscosity Index ASTM D 2270 *		177						
Base Number		4.66 †						
Acid Number ASTM D 974		2.71						

IR (Indexing Numbers) JOAP Method								
Oxidation		124						
Nitration		12						
Antiwear		32						
Sulfation		103						
Glycol		0						
Soot (%)		0.0						

SINGLE COMPONENT TESTS								
Water ppm		654 (a)						
Fuel Dilution % By GC *		2.4						

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This test is accredited under the laboratory's ISO/IEC 17025 accreditation issued by the ANSI-ASQ National Accreditation Board. Refer to certificate and scope of accreditation L2221. (e) -Estimated sample date. (*)-Not in scope of accreditation. TBN Methods: (†) -ASTM D4739, (‡) - IWI-390*. Water Methods:(a)-ASTM D6304C, (b)-IWI-134*, (c)-Crackle, (d)- IWI-135*, (e) - IWI-370*.