

Lubricant Analysis Report

North America: +1-877-458-3315



Overall report severity based on comments.

Account Information	Component Information	Sample Information				
Account Number: OJLANA-7502-2630	Component ID: BLUE BRUTE E	Tracking Number: 18195Z01147				
Company Name: STEVE NEW	Secondary ID: 2013 RAM 2500	Lab Number: I-147418				
Contact:	Component Type: DIESEL ENGINE	Lab Location: Indianapolis				
Address: 624 M. 71 STREET	Manufacturer: CUMMINS	Data Analyst: FLG				
MIAMI, FL 221/38 US	Model: ISB6.7	Sampled: 19-Oct-2018				
Phone Number: 305-29/4/04	Application: AUTOMOTIVE	Received: 25-Oct-2018				
	Sump Capacity: 3 gal	Completed: 26-Oct-2018				
Filter Information	Miscellaneous Information	Product Information				
Filter Type: FULLFLOW & BYPASS		Product Manufacturer: KENDALL				
Micron Rating: 0		Product Name: SUPER-D XA				
		Viscosity Grade: SAE 15W40				
Comments Data indicates no abnormal find	ings. Resample at normal interval. Lubricant and	d filter change acknowledged.				

	Wear Metals (ppm)										ntamin als (p		Multi-Source Metals (ppm)					Additive Metals (ppm)						
Sample #	Iron	Chromium	Nickel	Aluminum	Copper	Lead	Tin	Cadmium	Silver	Vanadium	Silicon	Sodium	Potassium	Titanium	Molybdenum	Antimony	Manganese	Lithium	Boron	Magnesium	Calcium	Barium	Phosphorus	Zinc
1	11	0	0	1	1	0	0	0	0	0	6	6	1	89	4	0	0	0	96	405	1665	0	927	1082
2	4	0	1	0	0	0	0	0	0	0	7	2	1	93	0	1	0	0	122	411	1657	0	1006	1109

		Sampl	e Infori	mation					Contaminants			Fluid Properties				
‡ 0	`∣ ≒	te Received	Lube Time	Unit Time	oe Change	Lube Added	lter Change	Fuel Dilution	Soot	Water	Viscosity 40°C	Viscosity 100°C	3 Acid B Number	Base No. D4739	Oxidation	Nitration
Ü	Da	Date	mi	mi	Lub	gal	≝	% Vol	% Vol	% Vol	cSt	cSt			abs/cm	
1	01-Sep-2018	10-Sep-2018	3616	47616	No	0	No	8.4 - GC	0.4 - E2412	<.1 - FTIR		12.2		4.94	15	9
2	2 19-Oct-2018	25-Oct-2018	980	48856	Yes	0	Yes	<1 - Estimate	0.2 - E2412	<.1 - FTIR		13.4		5.90	12	7

				Particle	Additional Testing						
#											
Sample	ISO Code										
m	Based On	> 4	> 6	> 10	> 14	> 21	> 38	> 70	> 100		
Si	4/6/14	μm	μm	μm	μm	μm	μm	μm	μm	Method	
1	//										
2	//										

Comments are advisory only and are based on the assumption that the sample and data submitted are valid. Missing fluid or component information limits the evaluation. No warranty is expressed or implied. Measurement uncertainty available upon request.

Historical Comments Check for source of FUEL LEAK. Fuel is at a SEVERE LEVEL. Fuel dilution may be caused by component faults related to injectors, ignition/timing, or excessive blow-by. Additional causes include heavy throttle application, engine lugging, frequent short trips and excessive idling. LUBRICANT and FILTER CHANGE is suggested if not done at sampling time. FUEL DILUTION has caused viscosity to decrease slightly below grade; FUEL DILUTION reduces the viscosity of the lubricant which decreases FILM STRENGTH and LUBRICITY and may lead to increased wear. Resample at half interval.

