

OIL REPORT

LAB NUMBER:

REPORT DATE: 4/2/2019

CODE: 20/685

CLIENT ID:

PAYMENT: CC: Visa

UNIT ID: 2015 CASCADIA

LIND

MAKE/MODEL: Detroit DD15

FUEL TYPE: Diesel

ADDITIONAL INFO: Freightliner

OIL TYPE & GRADE: Mobil Delvac 15W/40

OIL USE INTERVAL: 9,000 Miles

CLIENT

:OMMENTS

Thanks for the note about using Lucas. That additive will harmlessly thicken the oil, so no worries on that front. There aren't any harmful contaminants in the sample, soot levels are low, and the 6.3 TBN shows lots of active additive remaining in the oil. 1.0 or less is considered low. Wear metals are low next to averages, which is good because those averages are based on oil run ~28,800 miles. We don't see any trouble in these results, so try 20,000 miles next. (P.S. We're guessing 43 quarts is the sump capacity, not actual make-up oil needed during the oil change.)

	MI/HR on Oil	9,000				
	MI/HR on Unit	475,000	UNIT / LOCATION			UNIVERSAL
	Sample Date	3/20/2019	AVERAGES			AVERAGES
NO	Make Up Oil Added	43 qts				
18						
E	ALUMINUM	2	2			8
⋝	CHROMIUM	0	0			2
	IRON	5	5			23
黑	COPPER	1	1			13
虿	LEAD	0	0			0
S	TIN	1	1			0
Ĕ	MOLYBDENUM	102	102			38
I K	NICKEL	0	0			1
4	MANGANESE	0	0			0
	SILVER	0	0			0
Z	TITANIUM	0	0			2
S	POTASSIUM	2	2			8
Ľ	BORON	253	253			46
줆	SILICON	9	9			6
⋝	SODIUM	3	3			7
Ш	CALCIUM	1441	1441			1701
⊞	MAGNESIUM	582	582			551
	PHOSPHORUS	702	702			967
	ZINC	803	803			1161
	BARIUM	0	0			0

Values

Should Be*

	SUS Viscosity @ 210°	89.8	68-82			
	cSt Viscosity @ 100°C	17.92	12.4-16.3			
ပ္သ	Flashpoint in °F	435	>410			
Ē	Fuel %	<0.5	<2.0			
ER.	Antifreeze %	0.0	0.0			
풉	Water %	0.0	0.0			
RO	Insolubles %	0.1	<0.6			
4	TBN	6.3	>1.0			
	TAN					
	ISO Code					

* THIS COLUMN APPLIES ONLY TO THE CURRENT SAMPLE