

Store 9 - Marietta FREIGHTLINER CASCADIA 1205 (S/N 6244)

Diesel Engine

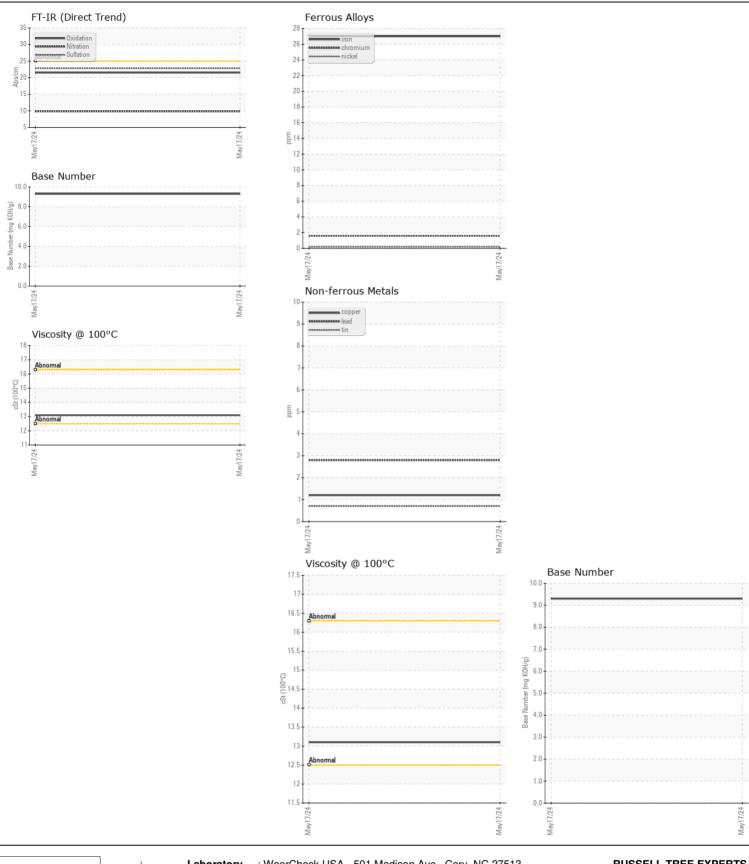
MOBIL 15W40 (--- GAL)

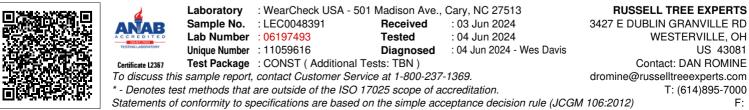
WODIL 13W40 (GAL)							
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		LEC0048391		
	Sample Date		Client Info		17 May 2024		
	Machine Age	mls	Client Info		457274		
	Oil Age	mls	Client Info		10000		
	Filter Age	mls	Client Info		10000		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				NORMAL		
	lvan			. 00	07		
WEAR	Iron	ppm	ASTM D5185m		27		
All component wear rates are normal.	Chromium	ppm	ASTM D5185m		2		
	Nickel	ppm	ASTM D5185m	>2	<1		
	Titanium Silver	ppm	ASTM D5185m	. 0	<1		
		ppm	ASTM D5185m		0		
	Aluminum Lead	ppm	ASTM D5185m ASTM D5185m		2 3		
		ppm	ASTM D5185m		1		
	Copper Tin	ppm ppm	ASTM D5185m		۱ <1		
	Vanadium	ppm	ASTM D5185m	>0	<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
		304141	VISUAI				
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	10		
	Potassium	ppm	ASTM D5185m	>20	5		
There is no indication of any contamination in the oil.	Fuel		WC Method	>5	<1.0		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.5		
	Nitration	Abs/cm	*ASTM D7624	>20	9.8		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	22.8		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m	<u>118</u>	9		
I LOID CONDITION	Boron	ppm	ASTM D5185m	>110	55		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		62		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		566		
	Calcium	ppm	ASTM D5185m		1714		
	Phosphorus	ppm	ASTM D5185m		875		
	Zinc	ppm	ASTM D5185m		1033		
	Sulfur	ppm	ASTM D5185m		3015		
	Oxidation	Abs/.1mm	*ASTM D7414	>25	21.5		
	Base Number (BN)				9.3		

13.1

ASTM D445

Visc @ 100°C cSt





Contact/Location: DAN ROMINE - RUSWESOH Page 2 of 2