

WEAR NORMAL CONTAMINATION MARGINAL FLUID CONDITION ABNORMAL

Limit/Abn Current

History1

History2

UOM Method

Machine Id FREIGHTLINER 2127 Component Diesel Engine

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RECOMMENDATION	Test	UOIVI	wethod	Limit/Add	Current	HIStory I	HIStory2
O'll and fillen above at the time of a new line has been noted. Been well	Sample Number		Client Info		WC0878828		
Oil and filter change at the time of sampling has been noted. Resample	Sample Date		Client Info		05 Jan 2024		
at the next service interval to monitor.	Machine Age	mls	Client Info		242749		
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		Changed		
	Filter Changed		Client Info		Changed		
	Sample Status				ABNORMAL		
WEAR	Iron	ppm	ASTM D5185m	>80	15		
	Chromium	ppm	ASTM D5185m	>5	1		
All component wear rates are normal.	Nickel	ppm	ASTM D5185m	>2	0		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	0		
	Aluminum	ppm	ASTM D5185m	>30	1		
	Lead	ppm	ASTM D5185m		4		
	Copper	ppm	ASTM D5185m	>150	<1		
	Tin	ppm	ASTM D5185m		<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	ppm	ASTM D5185m	>20	4		
	Potassium	ppm	ASTM D5185m	>20	2		
Light fuel dilution occurring.	Fuel	%	ASTM D3524	>5	4 .1		
	Water		WC Method	>0.2	NEG		
	Glycol		WC Method		NEG		
	Soot %	%	*ASTM D7844	>3	0.7		
	Nitration	Abs/cm	*ASTM D7624	>20	6.5		
	Sulfation	Abs/.1mm	*ASTM D7415	>30	18.8		
	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	>118	1		
Evol is present in the cil and is lowering the viscosity. The PN result	Boron	ppm	ASTM D5185m		3		
Fuel is present in the oil and is lowering the viscosity. The BN result indicates that there is suitable alkalinity remaining in the oil.	Barium	ppm	ASTM D5185m		0		
	Molybdenum	ppm	ASTM D5185m		53		
	Manganese	ppm	ASTM D5185m		<1		
	Magnesium	ppm	ASTM D5185m		950		
	Calcium	ppm	ASTM D5185m		1021		
	Phosphorus	ppm	ASTM D5185m		988		
	Zinc	ppm	ASTM D5185m		1143		
	Culture.		AOTH DEADE		0011		

Sulfur

Oxidation

Visc @ 100°C cSt

ppm ASTM D5185m

Base Number (BN) mg KOH/g ASTM D2896

Abs/.1mm *ASTM D7414 >25

ASTM D445

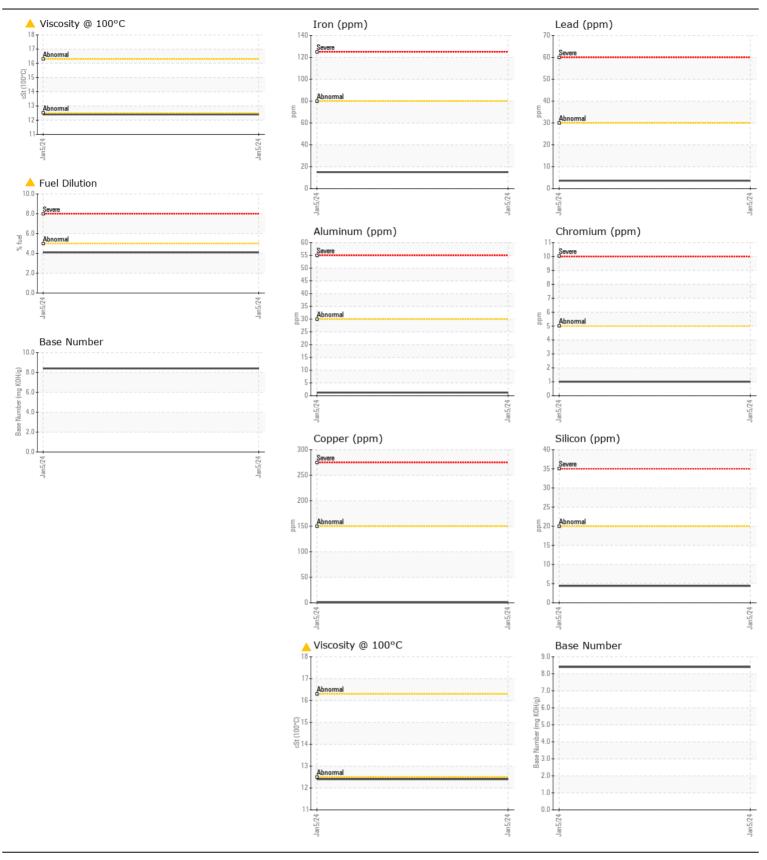
Test

2911

13.4

8.4

12.4



CONCRETE SERVICE CO Laboratory : WearCheck USA - 501 Madison Ave., Cary, NC 27513 Sample No. : WC0878828 Recieved : 31 Jan 2024 161 BUILDERS BLVD Lab Number Diagnosed FAYETTEVILLE, NC : 06075397 : 02 Feb 2024 : 10857488 Diagnostician : Jonathan Hester Unique Number US 28301 Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel, TBN) Contact: Service Manager Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. * - Denotes test methods that are outside of the ISO 17025 scope of accreditation. T: F: Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

Contact/Location: Service Manager - CONFAY