WEAR CONTAMINATION **FLUID CONDITION**

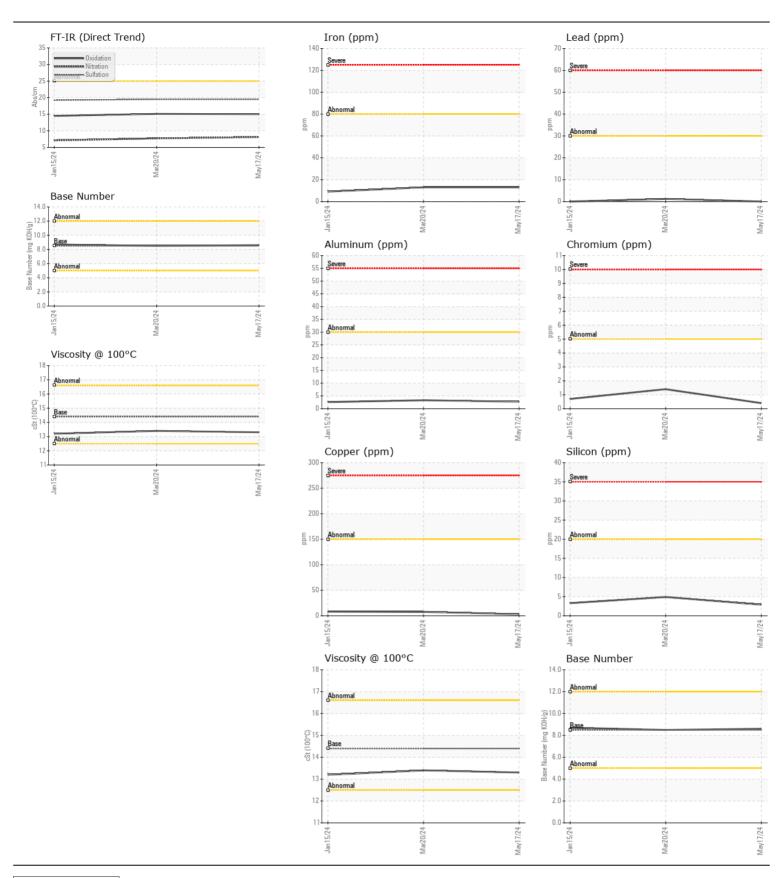
NORMAL NORMAL NORMAL

Machine Id

FREIGHTLINER 1240

Component
Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		WC0917145	WC0917319	WC087872
	Sample Date		Client Info		17 May 2024	20 Mar 2024	15 Jan 202
	Machine Age	mls	Client Info		101029	90290	80034
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>80	13	13	9
	Chromium	ppm	ASTM D5185m		<1	1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	1	0
	Titanium	ppm	ASTM D5185m	_	0	<1	<1
	Silver	ppm	ASTM D5185m	>3	0	<1	0
	Aluminum	ppm	ASTM D5185m		3	3	3
	Lead	ppm	ASTM D5185m		0	1	0
	Copper	ppm	ASTM D5185m		3	8	8
	Tin	ppm	ASTM D5185m	>5	0	2	<1
	Vanadium	ppm	ASTM D5185m		0	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	0.11.		AOTM DE LOS				
CONTAMINATION	Silicon	ppm	ASTM D5185m		3	5	3
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		8	8	6
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method WC Method	>0.2	NEG	NEG	NEG
	Glycol	0/	*ASTM D7844	. 0	NEG	NEG	NEG
	Soot % Nitration	% Abs/cm	*ASTM D7624	>20	0.6 8.1	0.5 7.7	0.5 7.1
	Sulfation	Abs/.1mm	*ASTM D7024		19.5	19.5	19.2
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		0	<1	1
The BN result indicates that there is suitable alkalinity remaining in the	Boron	ppm	ASTM D5185m		3	<1	3
oil. The condition of the oil is suitable for further service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m	100	61	61	55
	Manganese	ppm	ASTM D5185m	450	0	1	<1
	Magnesium	ppm	ASTM D5185m		909	928	980
	Calcium	ppm	ASTM D5185m		1069	1064	1062
	Phosphorus	ppm	ASTM D5185m		1053	1063	1013
	Zinc	ppm	ASTM D5185m		1225	1204	1190
	Sulfur Oxidation	ppm Abs/.1mm	ASTM D5185m *ASTM D7414		2807 15.0	3186 15.1	2880 14.5
	Base Number (BN)		ASTM D7414 ASTM D2896		8.6	8.5	8.7
	Dase Mullipel (DIV)	ilig KOH/g	HOTIVI DZ030	0.0	0.0	0.5	0.7





Laboratory Sample No.

Lab Number : 06214267 Unique Number : 11087131

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917145

Received **Tested**

Diagnosed

: 20 Jun 2024 : 20 Jun 2024 - Wes Davis

: 19 Jun 2024

CONCRETE SERVICE CO - FAY BLOCK 161 BUILDERS BLVD FAYETTEVILLE, NC US 28301

Contact: BRYAN VANNIMAN bryanvanniman@fayblock.com T: (800)326-9198

Test Package : MOB 1 (Additional Tests: TBN) 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.

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)