WEAR CONTAMINATION **FLUID CONDITION**

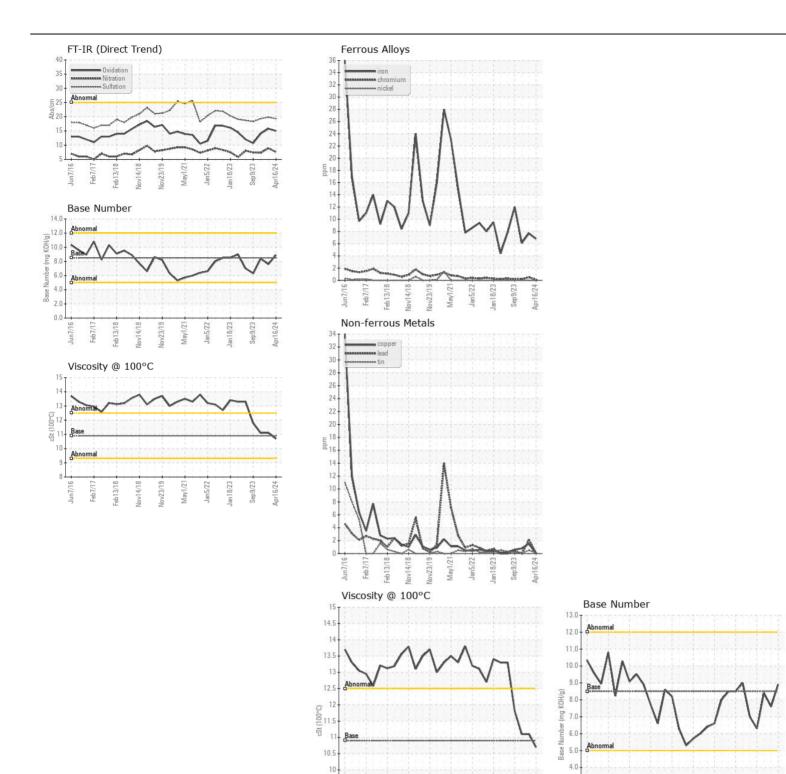
NORMAL NORMAL NORMAL

Machine Id

FREIGHTLINER 3226

Front Diesel Engine

Test	UOM					Higtory
Sample Number		Method Client Info	Limit/Abn	Current WC0916485	History1 WC0878545	History2 WC0878589
Sample Number		Client Info		16 Apr 2024	06 Jan 2024	06 Dec 202
	mls					507986
J						16889
_						16889
		Client Info			N/A	N/A
-		Client Info			N/A	N/A
Sample Status				NORMAL	ABNORMAL	NORMAL
Iron	nnm	ASTM D5185m	<165	7	Ω	6
						<1
						0
						0
						<1
						1
						0
						<1
Tin					<1	0
Vanadium		ASTM D5185m		0	0	0
White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
Silicon	nnm	ASTM D5185m	>35	3	3	3
						1
	pp					<1.0
						NEG
Glycol		WC Method		NEG	NEG	NEG
Soot %	%	*ASTM D7844	>7.5	0.3	0.3	0.3
Nitration	Abs/cm	*ASTM D7624	>20	7.6	8.9	7.3
Sulfation	Abs/.1mm	*ASTM D7415	>30	19.3	19.8	19.3
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	scalar	*Visual	>0.2	NEG	NEG	NEG
Sodium	ppm	ASTM D5185m		0	0	3
Boron	ppm	ASTM D5185m	250	2	2	4
Barium	ppm	ASTM D5185m	10	0	0	<1
Molybdenum	ppm	ASTM D5185m	100	58	56	51
Manganese	ppm	ASTM D5185m		0	<1	<1
Magnesium	ppm	ASTM D5185m	450	917	893	800
Calcium	ppm			1091	1138	1301
Phosphorus	ppm			1047	1107	1061
Zinc	ppm			1221	1284	1241
Sulfur	ppm			3457	3148	3120
Oxidation Base Number (BN)	Abs/.1mm			15.0	15.8	14.1
				8.9	7.6	8.4
	Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Debris Sand/Dirt Appearance Odor Emulsified Water Sodium Boron Barium Molybdenum Manganese Magnesium Calcium Phosphorus Zinc	Machine Age Oil Age Filter Age Oil Changed Filter Changed Sample Status Iron Chromium Nickel ppm Titanium Silver Aluminum Lead Copper Tin Vanadium White Metal Yellow Metal Silicon Potassium Fuel Water Glycol Soot % Nitration Sulfation Silt Scalar Sand/Dirt Appearance Odor Emulsified Water Sodium Sodium Sodium Sodiar Sodium Sodiar Sand/Dirt Scalar Sand/Dirt Scalar Sodium Sodiar Sodium Sodium Sodiar Sodium	Machine Age mls Client Info Oil Age mls Client Info Filter Age mls Client Info Oil Changed Client Info Filter Changed Client Info Sample Status Iron ppm ASTM D5185m Chromium ppm ASTM D5185m Nickel ppm ASTM D5185m Titanium ppm ASTM D5185m Aluminum ppm ASTM D5185m Lead ppm ASTM D5185m Copper ppm ASTM D5185m Tin ppm ASTM D5185m Vanadium ppm ASTM D5185m White Metal scalar *Visual Yellow Metal scalar *Visual Silicon ppm ASTM D5185m Potassium ppm ASTM D5185m Fuel WC Method Water WC Method Glycol WC Method Soot % "ASTM D5185m Fuel WC Method Soot % "ASTM D5185m Sulfation Abs/.1mm *ASTM D7624 Sulfation Abs/.1mm *ASTM D7415 Silt scalar *Visual Debris scalar *Visual Sand/Dirt scalar *Visual Emulsified Water scalar *Visual Sodium ppm ASTM D5185m Boron ppm ASTM D5185m Boron ppm ASTM D5185m Manganese ppm ASTM D5185m	Machine AgemlsClient InfoOil AgemlsClient InfoFilter AgemlsClient InfoOil ChangedClient InfoFilter ChangedClient InfoSample StatusClient InfoIronppmASTM D5185mChromiumppmASTM D5185mNickelppmASTM D5185mNickelppmASTM D5185mSilverppmASTM D5185mSilverppmASTM D5185mLeadppmASTM D5185mLeadppmASTM D5185mLeadppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVanadiumppmASTM D5185mVallow Metalscalar*VisualYellow Metalscalar*VisualNONEYellow Metalscalar*VisualYellow Metalscalar*VisualWC Method>3.0WaterWC Method>0.2GlycolWC MethodSoot %%*ASTM D7844>7.5NitrationAbs/cm*ASTM D7844>7.5Siltscalar*VisualNONESand/Dirtscalar*VisualNONEAppearancescalar*VisualNORMLChoorscalar*VisualNORMLEmulsified Waterscalar*Visual>0.2SodiumppmASTM D5185m10MolybdenumppmASTM D5185m10 <td>Machine Age mls Client Info 525554 Oil Age mls Client Info 17568 Filter Age mls Client Info 17568 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >165 7 Chromium ppm ASTM D5185m >5 <1</td> Nickel ppm ASTM D5185m >2 0 Titanium ppm ASTM D5185m >2 0 Silver ppm ASTM D5185m >2 0 Aluminum ppm ASTM D5185m >0 0 Valual ppm AST <td>Machine Age mls Client Info 525554 367633 Oil Age mls Client Info 17568 23095 Filter Age mls Client Info 17568 23095 Oil Changed Client Info Changed N/A Sample Status Client Info Changed Iron ppm ASTM D5185m Changed Nickel ppm ASTM D5185m C1 Nickel ppm ASTM D5185m C1 <1</td> Nickel ppm ASTM D5185m C0 0 Silver ppm ASTM D5185m >2 0 0 Silver ppm ASTM D5185m >2 0 0 0 Copper ppm ASTM D5185m >20 <1 4 2 2 0 0 2 <1 4 1 2 2 0 0 2 1 1 2 0 0 0 0 0 0 <t< td=""></t<>	Machine Age mls Client Info 525554 Oil Age mls Client Info 17568 Filter Age mls Client Info 17568 Oil Changed Client Info Changed Filter Changed Client Info Changed Sample Status NORMAL Iron ppm ASTM D5185m >165 7 Chromium ppm ASTM D5185m >5 <1	Machine Age mls Client Info 525554 367633 Oil Age mls Client Info 17568 23095 Filter Age mls Client Info 17568 23095 Oil Changed Client Info Changed N/A Sample Status Client Info Changed Iron ppm ASTM D5185m Changed Nickel ppm ASTM D5185m C1 Nickel ppm ASTM D5185m C1 <1







Certificate L2367

Laboratory Sample No.

: WC0916485 Lab Number : 06151505 Unique Number: 10981583 Test Package : FLEET

9.5

8.5

To discuss this sample report, contact Customer Service at 1-800-237-1369.

Feb7/17

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 17 Apr 2024 **Tested** : 18 Apr 2024

Diagnosed : 18 Apr 2024 - Wes Davis

2.0

Apr16/24

CARCO TRANSPORTATION

3403 EAST ROOSEVELT ROAD LITTLE ROCK, AR

US 72206 Contact: DENNIS CATES

Jan 18/23

Apr16/24

F:

denniscates@carcotrans.com T: (800)967-0777

* - 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)