



WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

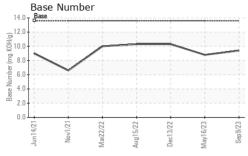
Area

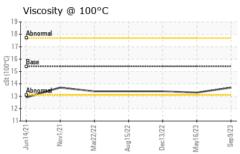
Store 4 - Fairmont

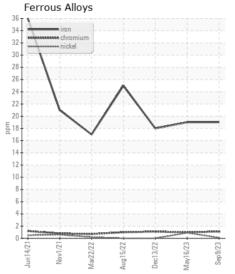
PETERBILT 337 2N92HJ6X3MM732488

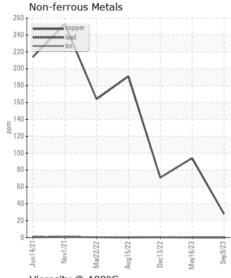
Diesel Engine

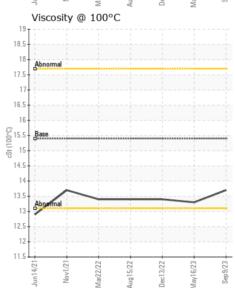
RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
	Sample Number		Client Info		LEC0043887	LEC0041389	LEC003714
Resample at the next service interval to monitor.	Sample Date		Client Info		09 Sep 2023	16 May 2023	13 Dec 202
	Machine Age	mls	Client Info		69711	59957	49971
	Oil Age	mls	Client Info		9754	9986	10573
	Filter Age	mls	Client Info		9754	9986	10573
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAD	lron		ACTM DE10Em	. 110	40	10	10
WEAR	Iron	ppm	ASTM D5185m		19	19	18
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185m		1	1	1
	Nickel	ppm	ASTM D5185m	>2	<1	<1	0
	Titanium	ppm	ASTM D5185m	0	0	<1	0
	Silver Aluminum	ppm	ASTM D5185m ASTM D5185m		0	<1 15	<1 35
		ppm			21		
	Lead	ppm	ASTM D5185m		0	0 94	<1 71
	Copper Tin	ppm	ASTM D5185m ASTM D5185m		28	<1 <1	<1
		ppm	ASTM D5185m	>4	<1 <1	0	
	Vanadium White Metal	ppm	*Visual	NONE	NONE	NONE	<1 NONE
		scalar					
<u></u>	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	12	9	10
Elevated aluminum (AI) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m	>20	53	30	63
	Fuel		WC Method	>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.4	0.3	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	9.6	9.1	9.8
	Sulfation	Abs/.1mm	*ASTM D7415	>30	21.9	22.1	23.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		3	0	2
	Boron	ppm	ASTM D5185m		234	206	218
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	0	0
	Molybdenum	ppm	ASTM D5185m		263	239	220
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		871	713	729
	Calcium	ppm	ASTM D5185m		1647	1489	1561
	Phosphorus	ppm	ASTM D5185m		949	891	894
	Zinc	ppm	ASTM D5185m		1175	1082	1116
	Sulfur	ppm	ASTM D5185m		3840	2911	3516
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.4	17.3	18.3
	Base Number (BN)				9.4	8.8	10.3

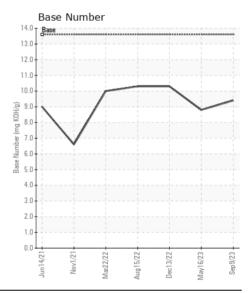
















Laboratory Sample No.

Lab Number : 05949995 Unique Number : 10645954

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0043887

Received **Tested** Diagnosed

: 13 Sep 2023 : 14 Sep 2023

Test Package : CONST (Additional Tests: TBN)

: 14 Sep 2023 - Wes Davis

US 45750-9765 Contact: LEANNE KENDALL

LESLIE EQUIPMENT COMPANY

KendalLeanne@lec1.com T:

105 TENNIS CENTER DR.

MARIETTA, OH

F: (740)373-5570

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)