

WEAR CONTAMINATION FLUID CONDITION

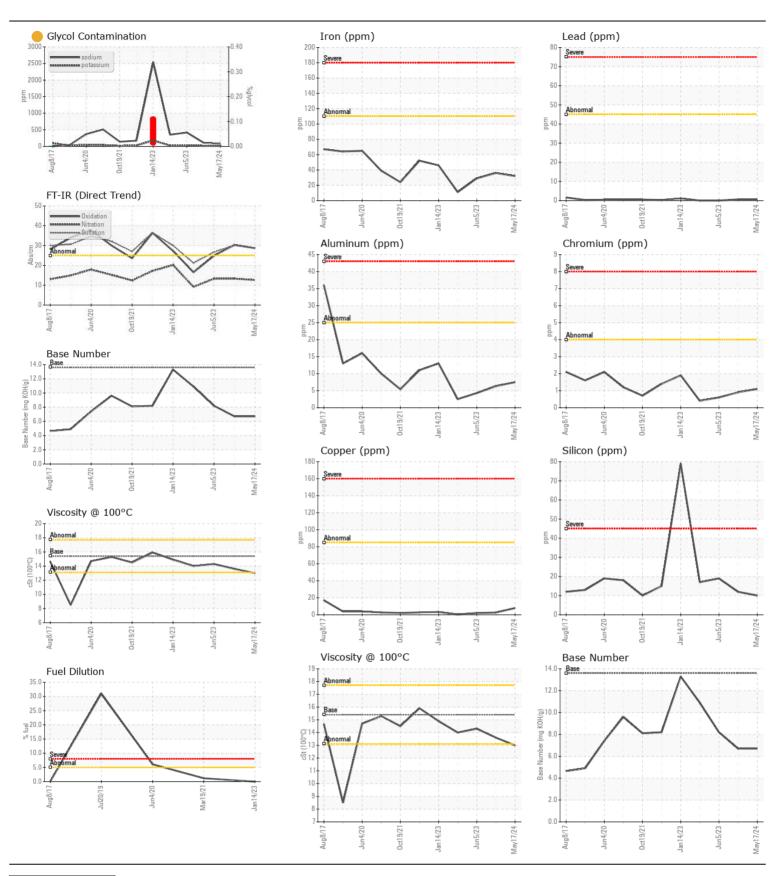
NORMAL NORMAL ATTENTION

Store 2 - Beaver [RO#150787 UNIT575]

PETERBILT 337 575 (S/N 2NP2HJ6X5FM267182)

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Check for low coolant level. Oil and filter change at the time of sampling has been noted. We recommend an early resample to monitor this condition.	Sample Number		Client Info		LEC0025641	LEC0045683	LEC004062
	Sample Date		Client Info		17 May 2024	14 Nov 2023	05 Jun 202
	Machine Age	mls	Client Info		167184	156004	144734
	Oil Age	mls	Client Info		11180	11270	9024
	Filter Age	mls	Client Info		11180	11270	9024
	Oil Changed		Client Info		Changed	Changed	Change
	Filter Changed		Client Info		Changed	Changed	Change
	Sample Status				ATTENTION	ATTENTION	ABNORM
VEAR	Iron	ppm	ASTM D5185m	>110	32	36	29
	Chromium	ppm	ASTM D5185m	>4	1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	0
	Titanium	ppm	ASTM D5185m		<1	<1	0
	Silver	ppm	ASTM D5185m	>2	<1	0	0
	Aluminum	ppm	ASTM D5185m		8	6	4
	Lead	ppm	ASTM D5185m	>45	<1	<1	0
	Copper	ppm	ASTM D5185m	>85	8	3	2
	Tin	ppm	ASTM D5185m	>4	<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NON
ONTAMINATION	Silicon	ppm	ASTM D5185m	>!20	10	12	19
	Potassium	ppm	ASTM D5185m	>20	13	17	33
Sodium and/or potassium levels are high. Test for glycol is negative.	Fuel	%	ASTM D3524		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>3	0.7	0.8	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	12.6	13.3	13.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	28.7	30.1	26.7
	Silt	scalar	*Visual	NONE	NONE	NONE	NON
	Debris	scalar	*Visual	NONE	NONE	NONE	NON
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NOR
	Odor	scalar	*Visual	NORML	NORML	NORML	NOR
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
LUID CONDITION	Sodium	ppm	ASTM D5185m		7 2	109	<u></u> 418
	Boron	ppm	ASTM D5185m		86	61	94
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	10	0
	Molybdenum	ppm	ASTM D5185m		248	259	277
	Manganese	ppm	ASTM D5185m		<1	1	<1
	Magnesium	ppm	ASTM D5185m		764	762	819
	Calcium	ppm	ASTM D5185m		1349	1411	1544
	Phosphorus	ppm	ASTM D5185m		787	825	791
	Zinc	ppm	ASTM D5185m		1014	1023	1023
	Sulfur	ppm	ASTM D5185m		2899	3325	3662
	Oxidation	Abs/.1mm	*ASTM D7414	>25	28.7	30.3	24.9
	Base Number (BN)	mg KOH/g			6.7	6.7	8.2
	Visc @ 100°C	cSt	ASTM D445	1 - 1	13.0	13.6	14.3





Certificate L2367

Laboratory

Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : LEC0025641 Lab Number : 06188977 Unique Number: 11045729

Received **Tested** Diagnosed

: 24 May 2024

: 28 May 2024 - Sean Felton

: 23 May 2024

Test Package : MOBCE (Additional Tests: FuelDilution, 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)

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