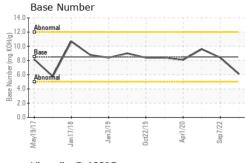
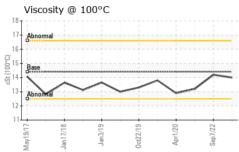
**WEAR CONTAMINATION FLUID CONDITION** 

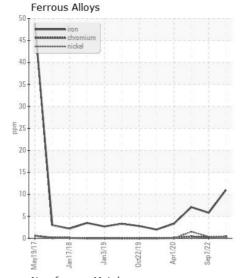
**NORMAL NORMAL NORMAL** 

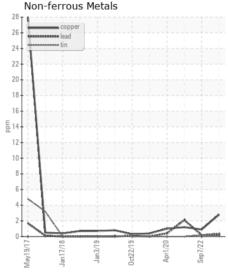
## PETERBILT 348 RTK9844 TK (S/N 2NP3XJ0X8HM443144)

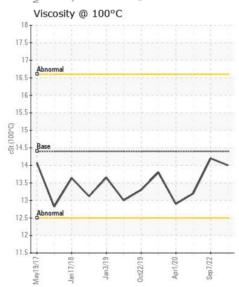
Diesel Engine							
DIESEL ENGINE OIL SAE 40 (9 QTS)							
	·			11 2/AL		 Line i - a	
RECOMMENDATION  Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.	Test	UOM	Method	Limit/Abn	Current ARI06124513	History1	History2
	Sample Number Sample Date		Client Info		20 Mar 2024	ARI05636243 07 Sep 2022	ARI05050489
	Machine Age	hrs	Client Info		10461	8041	3065
	Oil Age	hrs	Client Info		0	0	0
	Filter Age	hrs	Client Info		0	0	0
	Oil Changed	1110	Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	ATTENTION	NORMAL
WEAR	Iron	nnm	ASTM D5185m	<110	44	6	7
WEAN	Chromium	ppm	ASTM D5185m		11 <1	<1	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	<1	2
	Titanium	ppm	ASTM D5185m	72	<1	0	<1
	Silver	ppm	ASTM D5185m	>2	0	<1	<1
	Aluminum	ppm	ASTM D5185m		3	2	9
	Lead	ppm	ASTM D5185m		<1	<1	2
	Copper	ppm	ASTM D5185m		3	<1	1
	Tin	ppm	ASTM D5185m		<1	<1	0
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTABINATION	0		AOTM DE CO		_		
CONTAMINATION	Silicon	ppm	ASTM D5185m		5	3	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		6	6	<1
	Fuel			>5	<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG NEG	NEG NEG
	Glycol Soot %	%	*ASTM D7844	~ 2	NEG 0.4	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624	>20	9.2	8.4	7.2
	Sulfation	Abs/.1mm	*ASTM D7415		24.0	22.8	23.3
	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	NORML
	Odor	scalar	*Visual	NORML	NORML	NORML	NORML
	<b>Emulsified Water</b>	scalar	*Visual	>0.2	NEG	NEG	NEG
ELUID CONDITION	Co ali		ACTM DE10E	010			0
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	2	3
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron Barium	ppm	ASTM D5185m ASTM D5185m		86 1	166 0	297
	Molybdenum	ppm	ASTM D5185m		4	14	110
	Manganese	ppm	ASTM D5185m	100	<1	<1	<1
	Magnesium	ppm	ASTM D5185m	450	201	92	596
	Calcium	ppm	ASTM D5185m	3000	2098	1992	1493
	Phosphorus	ppm	ASTM D5185m		843	908	754
	Zinc	ppm	ASTM D5185m	1350	1049	1103	823
	Sulfur	ppm	ASTM D5185m		3573	3215	2060
	Oxidation	Abs/.1mm	*ASTM D7414		18.8	19.4	17.4
	Base Number (BN)		ASTM D2896		6.1	8.4	9.6
	Visc @ 100°C	cSt	ASTM D445		14.0	14.2	13.2
	-						

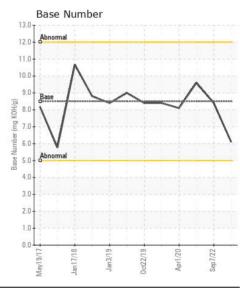














Certificate L2367

Laboratory Sample No.

Lab Number : 06124513 Unique Number: 10938664

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ARI06124513

Received **Tested** Diagnosed Test Package : CONST (Additional Tests: TBN)

: 21 Mar 2024 : 21 Mar 2024

: 21 Mar 2024 - Wes Davis

**INSITUFORM TECHNOLOGIES, INC** 

17988 EDISON AVE. CHESTERFIELD, MO US 63005

Contact: JOHN SLOAN ARICHTER@INSITUFORM.COM

T: (314)280-7555

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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