

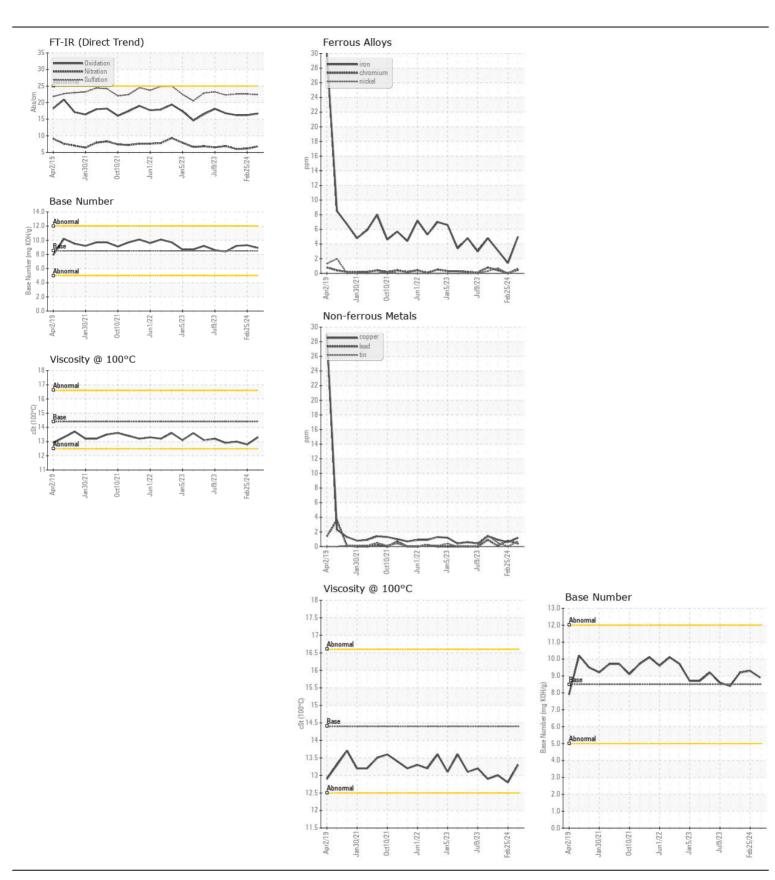
WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

2H28

PETERBILT PB348 RTK6250 (S/N 2NP3LJ0X4KM622512)

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor. Please specify the brand, type, and viscosity of the oil on your next sample.	Sample Number		Client Info		ARI06161279	ARI06099557	ARI0603309
	Sample Date		Client Info		27 Apr 2024	25 Feb 2024	12 Dec 202
	Machine Age	mls	Client Info		97097	0	92110
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		N/A	N/A	N/A
	Filter Changed		Client Info		N/A	N/A	N/A
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>90	5	1	3
	Chromium	ppm	ASTM D5185m		<1	0	<1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		<1	0	<1
	Titanium	ppm	ASTM D5185m		<1	<1	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		4	3	4
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		1	<1	<1
	Tin	ppm	ASTM D5185m		<1	0	<1
	Vanadium	ppm	ASTM D5185m		<1	0	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	\25	6	5	5
CONTAMINATION	Potassium	ppm	ASTM D5185m		4	2	2
There is no indication of any contamination in the oil.	Fuel	ррпп	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	70.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	0.1	0.1	0.1
	Nitration	Abs/cm	*ASTM D7624	>20	6.8	6.1	6.0
	Sulfation	Abs/.1mm	*ASTM D7415		22.4	22.6	22.6
	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
FLUID CONDITION	Codium		ACTM DE10Em	. 150	4	1	
-LUID CONDITION	Sodium	ppm	ASTM D5185m ASTM D5185m		1 385	388	313
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		2	<1	11
	Molybdenum	ppm	ASTM D5185m		124	127	106
	Manganese	ppm	ASTM D5185m	100	<1	<1	<1
	Magnesium	ppm ppm	ASTM D5185m	450	649	687	538
	Calcium	ppm	ASTM D5185m		1468	1541	1203
	Phosphorus	ppm	ASTM D5185m		726	749	577
	Zinc	ppm	ASTM D5185m		858	876	717
	Sulfur	ppm	ASTM D5185m		2772	2673	2365
	Oxidation	Abs/.1mm	*ASTM D7414		16.7	16.2	16.2
	Base Number (BN)				8.9	9.3	9.2
	(בוע) וטעוווטטו (בוע)	any nong	. 10 1111 D2000	0.0	0.0	0.0	0.2







Certificate L2367

Laboratory

Sample No.

Lab Number : 06161279 Unique Number : 10996702

Test Package : CONST (Additional Tests: TBN)

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ARI06161279 Received : 26 Apr 2024

Tested : 29 Apr 2024 Diagnosed

: 29 Apr 2024 - Wes Davis

INSITUFORM TECHNOLOGIES, INC

17988 EDISON AVE. CHESTERFIELD, MO US 63005

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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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