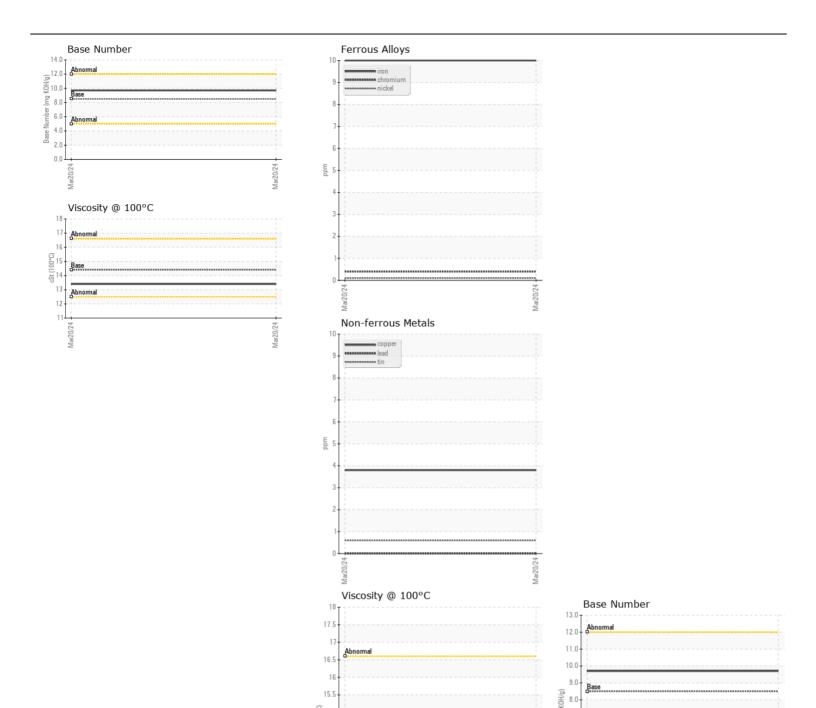


WEAR CONTAMINATION **FLUID CONDITION**

NORMAL NORMAL NORMAL

KENWORTH T480 RTK6774 (S/N 2NK5LJ0XXPM245321)

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
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.	Sample Number		Client Info		ARI06124512		
	Sample Date		Client Info		20 Mar 2024		
	Machine Age	mls	Client Info		12052		
	Oil Age	mls	Client Info		0		
	Filter Age	mls	Client Info		0		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185m	>100	10		
	Chromium	ppm	ASTM D5185m	>20	<1		
Metal levels are typical for a new component breaking in.	Nickel	ppm	ASTM D5185m	>4	<1		
	Titanium	ppm	ASTM D5185m		<1		
	Silver	ppm	ASTM D5185m	>3	<1		
	Aluminum	ppm	ASTM D5185m	>20	4		
	Lead	ppm	ASTM D5185m	>40	0		
	Copper	ppm	ASTM D5185m	>330	4		
	Tin	ppm	ASTM D5185m	>15	<1		
	Vanadium	ppm	ASTM D5185m		<1		
	White Metal	scalar	*Visual	NONE	NONE		
	Yellow Metal	scalar	*Visual	NONE	NONE		
CONTAMINATION	Silicon	nnm	ASTM D5185m	. 25	6		
CONTAMINATION	Potassium	ppm	ASTM D5185m		10		
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method		<1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	70.2	NEG		
	Soot %	%	*ASTM D7844	>3	0.1		
	Nitration	Abs/cm	*ASTM D7624	>20	5.8		
	Sulfation	Abs/.1mm	*ASTM D7415		18.7		
	Silt	scalar	*Visual	NONE	NONE		
	Debris	scalar	*Visual	NONE	NONE		
	Sand/Dirt	scalar	*Visual	NONE	NONE		
	Appearance	scalar	*Visual	NORML	NORML		
	Odor	scalar	*Visual	NORML	NORML		
	Emulsified Water	scalar	*Visual	>0.2	NEG		
FLUID CONDITION	Sodium	ppm	ASTM D5185m		<1		
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	Boron	ppm	ASTM D5185m		43		
	Barium	ppm	ASTM D5185m	10	2		
	Molybdenum	ppm	ASTM D5185m	100	66		
	Manganese	ppm	ASTM D5185m	450	<1		
	Magnesium	ppm	ASTM D5185m		872		
	Calcium	ppm	ASTM D5185m		1156		
	Phosphorus	ppm	ASTM D5185m		953		
	Zinc	ppm		1350	1130		
	Sulfur	ppm Abo/1mm	ASTM D5185m		3308		
	Oxidation	Abs/.1mm	*ASTM D7414		14.4		
	Base Number (BN) Visc @ 100°C	mg KOH/g cSt	ASTM D2896 ASTM D445		9.7 13.4		







Laboratory Sample No.

Lab Number : 06124512 Unique Number: 10938663

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : ARI06124512

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12.

11.5

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

: 21 Mar 2024 : 21 Mar 2024

: 21 Mar 2024 - Wes Davis

(mg

6.0 5.0

> **INSITUFORM TECHNOLOGIES, INC** 17988 EDISON AVE.

CHESTERFIELD, MO US 63005

Contact: WILLIAM COWELL WCOWELL@INSITUFORM.COM T: (317)450-3774

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.

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

Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)