

## **OIL ANALYSIS REPORT**

## Machine Id **THOMAS SCHOOL BUS 1 - 74802916** Component **Diesel Engine** Fluid **TRC MOLY XL PRO-SPEC IV XP 15W40 (18 QTS)**

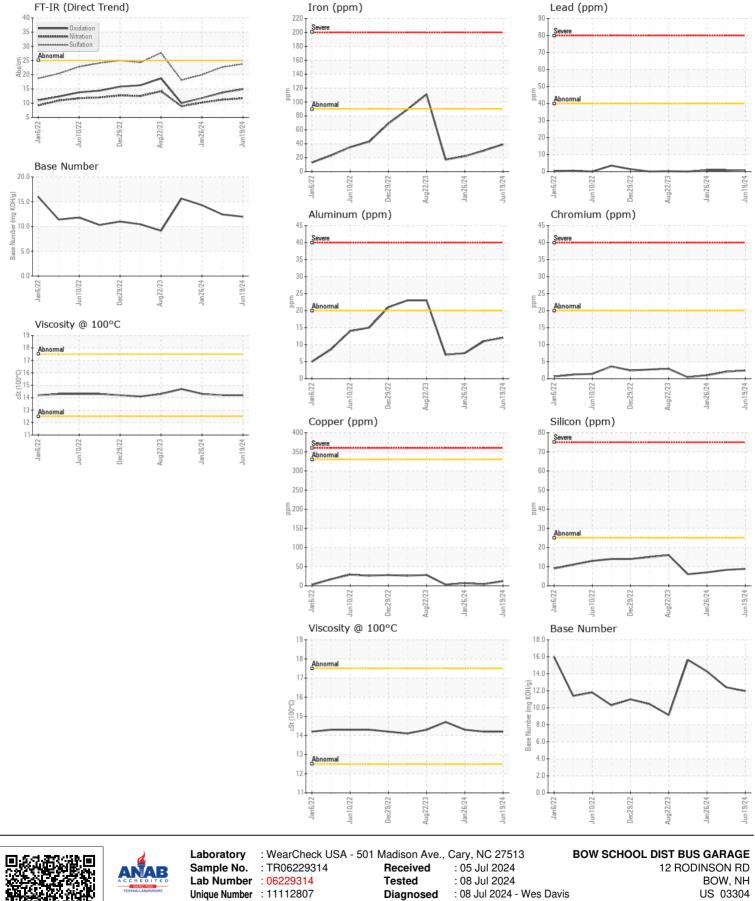
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RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		TR06229314	TR06160596	TR06102559
	Sample Date		Client Info		19 Jun 2024	16 Apr 2024	26 Jan 2024
	Machine Age	hrs	Client Info		1987	0	1697
	Oil Age	hrs	Client Info		644	518	354
	Filter Age	hrs	Client Info		126	164	185
	Oil Changed		Client Info		Not Changd	Not Changd	Not Changd
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR All component wear rates are normal.	Iron	ppm	ASTM D5185m	>90	39	30	22
	Chromium	ppm	ASTM D5185m	>20	2	2	1
	Nickel	ppm	ASTM D5185m		<1	<1	<1
	Titanium	ppm	ASTM D5185m		1	<1	0
	Silver	ppm	ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		12	11	8
	Lead	ppm	ASTM D5185m		<1	<1	<1
	Copper	ppm	ASTM D5185m		12	4	7
	Tin	ppm	ASTM D5185m		<1	<1	<1
	Vanadium	ppm	ASTM D5185m		<1	<1	<1
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	<25	9	8	7
	Potassium	ppm	ASTM D5185m		28	25	19
There is no indication of any contamination in the oil.	Fuel	ppiii	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method	20.2	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	~6	0.6	0.5	0.4
	Nitration	Abs/cm	*ASTM D7624	>20	11.7	11.2	10.2
	Sulfation	Abs/.1mm	*ASTM D7024		23.8	22.7	20.0
	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
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.							
	Sodium	ppm	ASTM D5185m		4	4	2
	Boron	ppm	ASTM D5185m		2	0	1
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		126	124	119
	Manganese	ppm	ASTM D5185m		1	1	<1
	Magnesium	ppm	ASTM D5185m		19	18	21
	Calcium	ppm	ASTM D5185m		4380	4245	4642
	Phosphorus	ppm	ASTM D5185m		945	979	939
	Zinc	ppm	ASTM D5185m		1133	1083	1211
	Sulfur	ppm	ASTM D5185m		4299	4971	4621
	Oxidation	Abs/.1mm	*ASTM D7414	>25	14.9	13.7	11.8
	Base Number (BN)	mg KOH/g	ASTM D2896		11.97	12.42	14.28
		<u> </u>	AOTH DATE			110	110

Visc @ 100°C cSt ASTM D445

14.2

14.3

14.2



Certificate L2367 Test Package : MOB 2

To discuss this sample report, contact Customer Service at 1-800-827-0711.

\* - 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)

Contact: DON PERCY

Contact/Location: DON PERCY - BOWBOWNH Page 2 of 2