WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL NORMAL

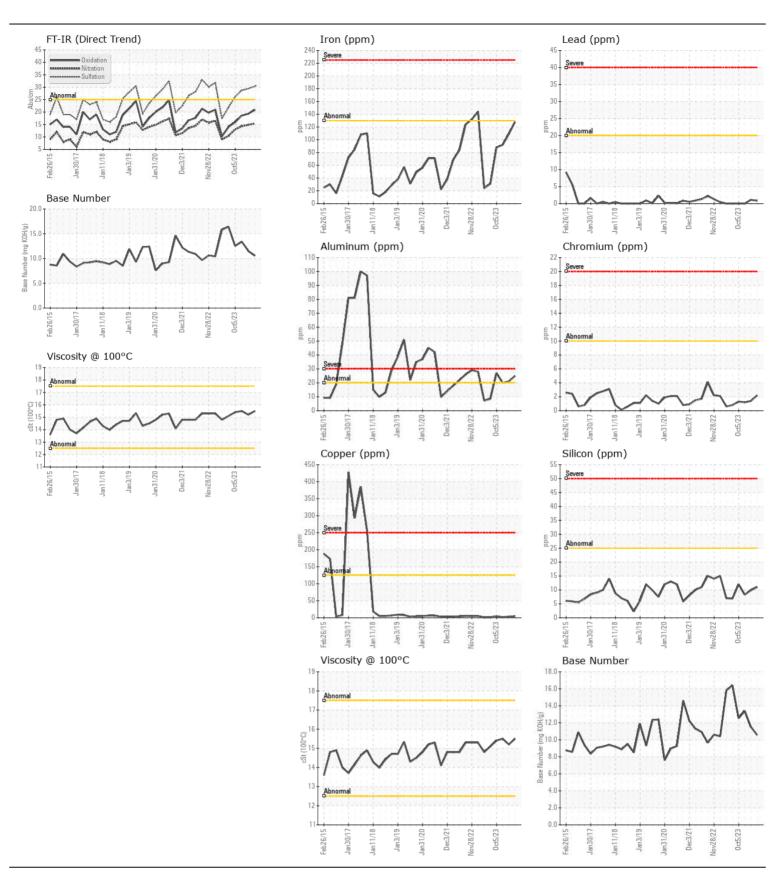
OIL ANALYSIS REPORT

Machine Id

THOMAS 23

Component
Diesel Engine

TESOWINE NO A TION	Test	UOM	Method	Limit/Abn	Current	History1	History2
RECOMMENDATION No corrective action is recommended at this time. Resample at the next service interval to monitor.	Sample Number	OOW	Client Info	LITTIO/ NOT	TR06160598	TR06102554	TR0604634
	Sample Date		Client Info		28 Mar 2024	26 Jan 2024	08 Dec 202
	Machine Age	hrs	Client Info		6056	5851	5700
	Oil Age	hrs	Client Info		1021	816	666
	Filter Age	hrs	Client Info		205	151	183
	Oil Changed	0	Client Info		Not Changd	Not Changd	Not Chang
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
WEAR	Iron	ppm	ASTM D5185m	>130	128	109	92
VEAIL	Chromium	ppm	ASTM D5185m		2	1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		2	<1	0
	Titanium	ppm	ASTM D5185m		- <1	0	<1
	Silver	ppm	ASTM D5185m		0	0	0
	Aluminum	ppm	ASTM D5185m		25	21	20
	Lead	ppm	ASTM D5185m		<1	1	0
	Copper	ppm	ASTM D5185m		5	3	2
	Tin	ppm	ASTM D5185m		1	1	1
	Vanadium	ppm	ASTM D5185m		<1	<1	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE
CONTAMINATION	Silicon	ppm	ASTM D5185m	>25	11	10	8
SONTAIMINATION	Potassium	ppm	ASTM D5185m		28	24	22
Elevated aluminum (Al) and/or lead (Pb) and potassium (K) levels in your metals analysis are likely a result of solder flux release into the lubricant and is common on new equipment/components. There is no indication of any contamination in the oil.	Fuel	PP	WC Method		<1.0	<1.0	<1.0
	Water		WC Method		NEG	NEG	NEG
	Glycol		WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844	>6	2.4	2.3	2.2
	Nitration	Abs/cm	*ASTM D7624	>20	15.4	14.8	14.3
	Sulfation	Abs/.1mm	*ASTM D7415	>30	30.4	29.4	28.7
	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	NORN
	Odor	scalar	*Visual	NORML	NORML	NORML	NORM
	Emulsified Water	scalar	*Visual	>0.2	NEG	NEG	NEG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		5	4	2
	Boron	ppm	ASTM D5185m		0	2	2
	Barium	ppm	ASTM D5185m		0	0	0
, , ,	Molybdenum	ppm	ASTM D5185m		132	123	124
, , ,		nnm	ASTM D5185m		2	<1	<1
, , ,	Manganese	ppm	/ TO THE DO TOOM				
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.	•	ppm	ASTM D5185m		21	23	23
, ,	Manganese				21 4585	23 4712	4302
, ,	Manganese Magnesium	ppm	ASTM D5185m				
, , ,	Manganese Magnesium Calcium	ppm	ASTM D5185m ASTM D5185m		4585	4712	4302
, , ,	Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m		4585 1071	4712 954	4302 886
, , ,	Manganese Magnesium Calcium Phosphorus Zinc	ppm ppm ppm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m	>25	4585 1071 1174	4712 954 1215	4302 886 1091
, ,	Manganese Magnesium Calcium Phosphorus Zinc Sulfur	ppm ppm ppm ppm ppm Abs/.1mm	ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m ASTM D5185m *ASTM D7414	>25	4585 1071 1174 5427	4712 954 1215 4591	4302 886 1091 3955







Certificate L2367

Laboratory Sample No.

Test Package : MOB 2

: TR06160598 Lab Number : 06160598 Unique Number : 10996021

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 Received : 25 Apr 2024 **Tested** : 26 Apr 2024

Diagnosed : 26 Apr 2024 - Sean Felton

BOW SCHOOL DIST BUS GARAGE

12 RODINSON RD BOW, NH

US 03304 Contact: DON PERCY

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)

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