WEAR CONTAMINATION **FLUID CONDITION**

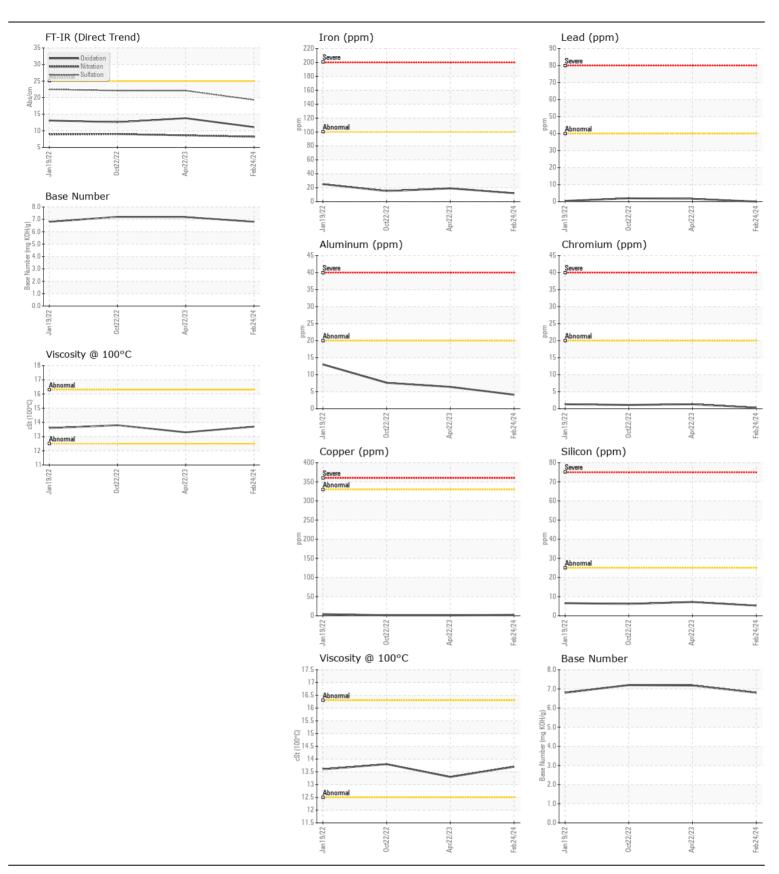
NORMAL NORMAL NORMAL

Machine Id

INTERNATIONAL A-410

Diesel Engine

ECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DC0020726	DC0024200	DC002136
	Sample Date		Client Info		24 Feb 2024	22 Apr 2023	22 Oct 202
	Machine Age	hrs	Client Info		8769	6921	5793
	Oil Age	hrs	Client Info		964	1128	813
	Filter Age	hrs	Client Info		964	1128	813
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAI
/EAR	Iron	ppm	ASTM D5185m	>100	12	19	15
	Chromium	ppm	ASTM D5185m	>20	<1	1	1
All component wear rates are normal.	Nickel	ppm	ASTM D5185m		0	<1	<1
	Titanium	ppm	ASTM D5185m		0	<1	0
	Silver	ppm	ASTM D5185m	>3	0	0	0
	Aluminum	ppm	ASTM D5185m		4	6	8
	Lead	ppm	ASTM D5185m		0	2	2
	Copper	ppm	ASTM D5185m		2	1	1
	Tin	ppm	ASTM D5185m		- <1	<1	<1
	Vanadium	ppm	ASTM D5185m		0	0	0
	White Metal	scalar	*Visual	NONE	NONE	NONE	NON
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONI
ONTAMINATION	Silicon	ppm	ASTM D5185m	\ 25	5	7	6
ONTAIVIINATION	Potassium	ppm	ASTM D5185m		11	20	21
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.L	NEG	NEG	NEG
	Soot %	%	*ASTM D7844	\3	0.8	0.7	0.6
	Nitration	Abs/cm	*ASTM D7624	>20	8.2	8.6	9.0
	Sulfation	Abs/.1mm	*ASTM D7415		19.3	22.1	22.1
	Silt	scalar	*Visual	NONE	NONE	NONE	NONI
	Debris	scalar	*Visual	NONE	NONE	NONE	NONI
	Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NON
	Appearance	scalar	*Visual	NORML	NORML	NORML	NORM
	Odor	scalar	*Visual	NORML	NORML	NORML	NORN
	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	nnm	ASTM D5185m		2	3	2
	Boron	ppm	ASTM D5185m		2	<1	3
	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		4	3	4
	Manganese		ASTM D5185m		<1	<1	<1
		ppm	ASTM D5185m		60	46	51
	Magnesium Calcium	ppm	ASTM D5185m		2287	2548	2478
	Phosphorus	ppm	ASTM D5185m		907	969	877
	Zinc	ppm	ASTM D5185m		1048	1195	1132
	Sulfur	ppm	ASTM D5185m		4124	4827	4235
	Oxidation	ppm Abe/1mm	*ASTM D7414	>25	11.1	13.8	12.6
		Abs/.1mm mg KOH/g	ASTM D7414 ASTM D2896	>20	6.8	7.18	7.2
	Base Number (BN)	nig NOR/g	49 LIVI D5030		0.0	7.10	13.8







Certificate L2367

Laboratory Sample No.

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DC0020726 Lab Number : 06146440

Unique Number: 10976518

Test Package : MOB 1 (Additional Tests: TBN)

Received

Tested : 12 Apr 2024 Diagnosed

: 11 Apr 2024

: 12 Apr 2024 - Wes Davis

THOMAS BENNETT & HUNTER INC 70 JOHN ST WESTMINSTER, MD US 21157

Contact: JOE STEPHAN jstephan@tbhconcrete.com T: (410)848-9030

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) F: (410)848-9032