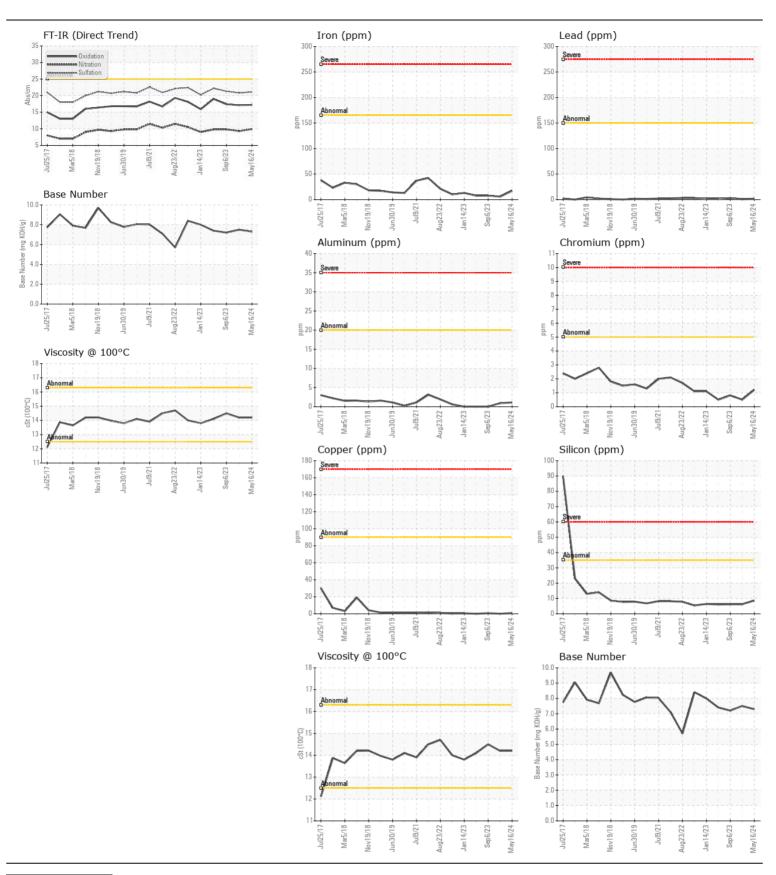
WEAR CONTAMINATION FLUID CONDITION

NORMAL NORMAL

Machine Id
MCI 2174
Component
Diesel Engine
Fluid

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number		Client Info		DC0035308	DC0030739	DC002882
	Sample Date		Client Info		16 May 2024	13 Dec 2023	06 Sep 202
	Machine Age	mls	Client Info		341011	322314	304082
	Oil Age	mls	Client Info		0	0	0
	Filter Age	mls	Client Info		0	0	0
	Oil Changed		Client Info		Changed	Changed	Changed
	Filter Changed		Client Info		Changed	Changed	Changed
	Sample Status				NORMAL	NORMAL	NORMAL
VEAR	Iron	ppm	ASTM D5185m	<b>\165</b>	17	6	8
WEAR	Chromium	ppm	ASTM D5185m		1	<1	<1
All component wear rates are normal.	Nickel		ASTM D5185m		0	0	0
	Titanium	ppm	ASTM D5185m		<1	0	0
	Silver		ASTM D5185m		<1	0	0
	Aluminum	ppm	ASTM D5185m		1	<1	0
	Lead	ppm	ASTM D5185m		2	1	3
	Copper	ppm	ASTM D5185m		<1	0	<1
	Tin	ppm	ASTM D5185m		<1	<1	<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		9	6	6
There is no indication of any contamination in the oil.	Potassium	ppm	ASTM D5185m		1	<1	0
	Fuel		WC Method		<1.0	<1.0	<1.0
	Water		WC Method	>0.2	NEG	NEG	NEG
	Glycol	21	WC Method		NEG	NEG	NEG
	Soot %	%	*ASTM D7844		0.4	0.3	0.3
	Nitration	Abs/cm	*ASTM D7624		9.9	9.3	9.8
	Sulfation	Abs/.1mm	*ASTM D7415		21.1	20.8	21.3
	Silt	scalar	*Visual	NONE	NONE	NONE	NONE
	Debris	scalar	*Visual	NONE	NONE	NONE	NONE
	Sand/Dirt	scalar	*Visual	NONE	NONE NORML	NONE NORML	NONE
	Appearance Odor	scalar scalar	*Visual	NORML NORML	NORML	NORML	NORM
	Emulsified Water		*Visual	>0.2	NEG	NEG	NEG
<u></u>	Liliuisilleu watei	Scalai	Visuai	>0.2			INLG
FLUID CONDITION	Sodium	ppm	ASTM D5185m		1	1	1
	Boron	ppm	ASTM D5185m		2	6	2
The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is acceptable for the time in service.	Barium	ppm	ASTM D5185m		0	0	0
	Molybdenum	ppm	ASTM D5185m		59	58	60
	Manganese	ppm	ASTM D5185m		<1	<1	<1
	Magnesium	ppm	ASTM D5185m		975	864	974
	Calcium	ppm	ASTM D5185m		1283	1124	1230
	Phosphorus	ppm	ASTM D5185m		1097	925	1035
	Zinc	ppm	ASTM D5185m		1299	1209	1302
	Sulfur	ppm	ASTM D5185m		3619	2815	3112
	Oxidation	Abs/.1mm	*ASTM D7414	>25	17.2	17.1	17.4
	Base Number (BN)	mg KOH/g	ASTM D2896		7.3	7.5	7.2
	Visc @ 100°C	cSt	ASTM D445		14.2	14.2	14.5





Laboratory Sample No. Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : DC0035308 : 06191570

Received **Tested** Unique Number : 11048322

Diagnosed

: 24 May 2024 : 29 May 2024 : 29 May 2024 - Angela Borella

**SUPERIOR TOURS** 7100 MILFORD INDUSTRIAL RD

BALTIMORE, MD US 21208

Test Package : MOB 1 ( Additional Tests: TBN ) Contact: JEFF OR RON Certificate L2367 To discuss this sample report, contact Customer Service at 1-800-237-1369. jskomins@gmail.com;ronallen04@yahoo.com

\* - 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)

T: (410)602-1704 F: (410)486-2464