WEAR CONTAMINATION **FLUID CONDITION** **NORMAL NORMAL NORMAL**

Machine Id

GANDER APU

Diesel Engine

RECOMMENDATION	Test	UOM	Method	Limit/Abn	Current	History1	History2
Resample at the next service interval to monitor.	Sample Number	0 0 1 11	Client Info	2	WC0455587		
	Sample Date		Client Info		22 Jun 2023		
	Machine Age	hrs	Client Info		194		
	Oil Age	hrs	Client Info		5		
	Filter Age	hrs	Client Info		5		
	Oil Changed		Client Info		N/A		
	Filter Changed		Client Info		N/A		
	Sample Status				NORMAL		
WEAR	Iron	ppm	ASTM D5185(m)	>51	5		
Metal levels are typical for a new component breaking in.	Chromium	ppm	ASTM D5185(m)	>11	0		
	Nickel	ppm	ASTM D5185(m)		0		
	Titanium	ppm	ASTM D5185(m)	-	0		
	Silver	ppm	ASTM D5185(m)	>3	<1		
	Aluminum	ppm	ASTM D5185(m)	>31	1		
	Lead	ppm	ASTM D5185(m)	>26	0		
	Copper	ppm	ASTM D5185(m)	>26	1		
	Tin	ppm	ASTM D5185(m)	>4	0		
	Vanadium	ppm	ASTM D5185(m)		0		
CONTAMINATION	Silicon	nnm	ACTM DE10E(m)	. 22	4		
	Potassium	ppm	ASTM D5185(m) ASTM D5185(m)	>22	0		
There is no indication of any contamination in the oil.	Fuel	ppm	WC Method	>2.1	<1.0		
	Water		WC Method		NEG		
	Glycol		WC Method	70.21	NEG		
	Soot %	%	ASTM D7844*	>3	0		
	Nitration	Abs/cm	ASTM D7624*	>20	4.7		
	Sulfation	Abs/.1mm	ASTM D7415*	>30	17.5		
	Emulsified Water	scalar	Visual*	>0.21	NEG		
THUR CONDITION			40TH B= (05/)	4=0			
FLUID CONDITION	Sodium	ppm	ASTM D5185(m)		2		
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 D5185(m)		26		
	Barium Molybdenum	ppm	ASTM D5185(m) ASTM D5185(m)	100	<1 75		
	Manganese	ppm	ASTM D5185(m)	100	0		
	Magnesium	ppm	ASTM D5185(m)	450	953		
	Calcium	ppm	ASTM D5185(m)	3000	1052		
	Phosphorus	ppm	ASTM D5185(m)		1000		
	Zinc	ppm	ASTM D5185(m)	1350	1157		
	Sulfur	ppm	ASTM D5185(m)		2605		
	Oxidation	Abs/.1mm	ASTM D7414*	>25	12.8		
	Base Number (BN)	mg KOH/g	ASTM D2896*	8.5	9.99		
	Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.5		





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WC0455587 : 02585462 : 5646527 Test Package : MOB 2

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Recieved : 27 Sep 2023 : 28 Sep 2023 Diagnosed

Diagnostician : Wes Davis

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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