WEAR CONTAMINATION **FLUID CONDITION**

NORMAL MARGINAL ABNORMAL

Machine Id 801179

Component Diesel Engine

Samponent make and model with your next sample. Samponent make and model with your ne	Age ter Age Changed ter Changed mple Status n rromium ckel anium ver uminum ad ppper n nadium	hrs hrs hrs hrs ppm ppm ppm ppm ppm ppm ppm ppm ppm pp	Client Info ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	GFL0096779 26 Mar 2024 14478 0 600 N/A N/A ABNORMAL 17 <1 0 0 2 0 2 0 10	History2
CONTAMINATION Cight fuel dilution occurring.	Achine Age Age ter Age Changed ter Changed mple Status n uromium ckel anium ever uminum ad upper n nadium icon tassium el	ppm	Client Info Client Info Client Info Client Info Client Info Client Info ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	14478 0 600 N/A N/A ABNORMAL 17 <1 <1 0 0 2 0 2 0 2	
VEAR VEAR Iro Ch Nic Tit Sil Alt Lec Co Tir Va CONTAMINATION Light fuel dilution occurring. Fu Wa Gly So Nit Su ELUID CONDITION So	Age ter Age Changed ter Changed mple Status n rromium ckel anium ver uminum ad ppper n nadium icon tassium el	ppm	Client Info Client Info Client Info Client Info Client Info ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	0 600 N/A N/A ABNORMAL 17 <1 <1 0 0 2 0 2 0 0	
VEAR Iro VII component wear rates are normal. Ch Nic Tit Sil All Le. Co Tir Va CONTAMINATION Light fuel dilution occurring. Fu Wa Gly So Nit Su Em	ter Age Changed ter Changed mple Status n promium ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info Client Info ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	600 N/A N/A ABNORMAL 17 <1 <1 0 0 2 0 2 0 0 0	
VEAR Iro Character and the state of the st	Changed ter Changed mple Status nuromium ckel anium wer uminum ad apper nuromium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	Client Info Client Info Client Info ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	N/A N/A ABNORMAL 17 <1 <1 0 0 2 0 2 0 0	
VEAR Iro VIII component wear rates are normal. Ch Nic Tit Sili Alt Le: Co Tir Va CONTAMINATION ight fuel dilution occurring. Fu Wa Gly So Nit Su Em	ter Changed mple Status n uromium ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	N/A ABNORMAL 17 <1 <1 0 0 2 0 2 0 0	
VEAR Iro Iro Ill component wear rates are normal. Ch Nic Tit Silt Alu Le Co Tir Va CONTAMINATION ight fuel dilution occurring. Fu Wa Gly So Nit Su Em	mple Status n romium ckel anium ver uminum ad pper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	ABNORMAL 17 <1 <1 0 0 2 0 2 0 2 0	
VEAR All component wear rates are normal. Chall component wear rates are normal.	n ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	17 <1 <1 0 0 0 2 0 2 0 0 0 0 0 0 0 0 0 0 0 0 0	
Chall component wear rates are normal. Chall component wear rates are normal. Tit. Silicontamination Contamination Silicontamination Silicontamination Silicontamination Silicontamination Silicontamination Fu Wa Gly So Nitt Su Em	oromium ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	<1 <1 0 0 2 0 2 0	
Chongonent wear rates are normal.	oromium ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >4 >3 >20 >40 >330 >15	<1 <1 0 0 2 0 2 0	
Nice Solution occurring. Signature of the state of the s	ckel anium ver uminum ad ppper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>4 >3 >20 >40 >330 >15	<1 0 0 2 0 2 0 0	
Tit. Sill Alt Le: Co Tir Va CONTAMINATION ight fuel dilution occurring. Po Gly So Nit Su Em	anium ver uminum ad upper n nadium icon tassium	ppm ppm ppm ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>3 >20 >40 >330 >15	0 0 2 0 2 0	
Silvant Alta Lee Contramination Silvant fuel dilution occurring. Fu Wa Gly So Nitt Su Em LUID CONDITION So Po	ver uminum ad upper n nadium icon tassium el	ppm ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >40 >330 >15	0 2 0 2 0	
Alt Lea Co Tir Va SONTAMINATION Sill ight fuel dilution occurring. Po Wa Gly So Nit Su Em	uminum ad upper n nadium icon tassium el	ppm ppm ppm ppm ppm	ASTM D5185(m)	>20 >40 >330 >15	2 0 2 0	
CONTAMINATION Sight fuel dilution occurring. Fu Wa Gly So Nit Su Em	ad ppper n nadium icon tassium el	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>40 >330 >15 >25	0 2 0 0	
Contamination Sill Sight fuel dilution occurring. Po Wa Gly So Nit Su Em	pper nadium icon tassium el	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>330 >15 >25	2 0 0	
CONTAMINATION ight fuel dilution occurring. Fu Wa Gly So Nit Su Em	nadium nadium icon tassium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>15 >25	0	
CONTAMINATION ight fuel dilution occurring. Po Wa Gly So Nit Su Em	icon tassium el	ppm ppm	ASTM D5185(m)			
ight fuel dilution occurring. Fu Wa Gly So Nit Su Em	tassium el	ppm	, ,		10	
ight fuel dilution occurring. Fu Wa Gly So Nit Su Em	tassium el	ppm	, ,		10	
Fu Wa Gly So Nit Su Em	el		ASTM D5185(m)			
Gly So Nitt Su Em		0/	, ,		0	
Gly So Nit Su Em	ater	/0	ASTM D7593*		△ 3.6	
So Nit Su Em			WC Method	>0.2	NEG	
Nit Su Em		0/	WC Method	0	NEG	
LUID CONDITION So		% Aba/am	ASTM D7844*		0	
LUID CONDITION So	ration Ifation	Abs/tmm	ASTM D7624*	>20	10.3	
LUID CONDITION So	ulsified Water		ASTM D7415* Visual*	>30	19.1 NEG	
Do		Scalai	· · · · · · · · · · · · · · · · · · ·			
Bo	dium	ppm	ASTM D5185(m)		3	
Fuel is present in the oil and is lowering the viscosity. The condition of	ron	ppm	ASTM D5185(m)	0	<1	
ne oil is acceptable for the time in service.	rium	ppm	ASTM D5185(m)	0	0	
Mc	olybdenum	ppm	ASTM D5185(m)	60	56	
	anganese	ppm	ASTM D5185(m)	0	0	
	agnesium	ppm	ASTM D5185(m)	1010	926	
	lcium	ppm	ASTM D5185(m)	1070	1001	
Ph	osphorus	ppm	ASTM D5185(m)	1150	961	
Zir		ppm	ASTM D5185(m)	1270	1130	
	lfur	ppm	ASTM D5185(m)	2060	2404	
	ridation sc @ 100°C	Abs/.1mm	ASTM D7414*	>25	19.5	





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 574 - Vancouver Fleet : GFL0096779 Lab Number : 02631110

Unique Number : 5772263

Received **Tested** Diagnosed

: 25 Apr 2024 Test Package : MOB 1 (Additional Tests: FuelDilution, PercentFuel)

: 24 Apr 2024

: 25 Apr 2024 - Wes Davis

Coquitlam, BC CA V3K 6B5 Contact: Sanjay Kisun skisun@gflenv.com T: (604)529-4030

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.

70 Golden Drive,

F: (604)529-4026