

INDEPENDENT LOCOMOTIVE SERVICE, INC

21 MAIN ST.
P.O. BOX 79
BETHEL, MN 55005
USA

Voice: 763-434-4661

Fax: 763-434-0017

INVOICE

Invoice Number: 20112

Invoice Date: Jan 13, 2020

Page: 1

Bill To:

VITERRA-GRAND FORKS
4256 54TH AVE. N.
GRAND FORKS, ND 58203

Ship to:

GAVILON GROUP
4256 54TH AVE. N.
GRAND FORKS, ND 58203

Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		2/12/20

Quantity	Item	Description	Unit Price	Amount
1.00		FOR SERVICES ON 11-2-19 & 11-27-19		
		TO CHECK FOR CAUSE OF HOTSTART		
		HEATER NOT WORKING ON UNIT		
		#477-FOUND PUMPS HAD BEEN		
		RUNNING BACKWARDS		
1.00		BECAUSE SOME WIRING CHANGES		
		HAD BEEN MADE IN PLANT AND		
		ROTATIONS OF PUMPS WAS NOT		
		CHECKED AFTER WIRING CHANGES		
		WERE MADE IN PLANT-HEATING		
1.00		ELEMENT WENT DRY AND BURNT	1,050.00	1,050.00
		OUT-REPLACED SAME & CORRECTED		
		WIRING.		
1.00		MATERIALS SUPPLIED:		
1.00		18,000 WATT HEATING ELEMENT	880.00	880.00
3.00		#8-#10 RING LUGS	1.50	4.50
1.00		TRAVEL TIME (TWO TRIPS)	450.00	450.00

Subtotal	2,384.50
Sales Tax	
Total Invoice Amount	2,384.50
Payment/Credit Applied	
TOTAL	2,384.50

Check/Credit Memo No:

INDEPENDENT LOCOMOTIVE SERVICE, INC

21 MAIN ST.
P.O. BOX 79
BETHEL, MN 55005
USA

INVOICE

Invoice Number: 19132
Invoice Date: May 8, 2019
Page: 1

Voice: 763-434-4661
Fax: 763-434-0017

Bill To:

VITERRA-GRAND FORKS
4256 54TH AVE. N.
GRAND FORKS, ND 58203

Ship to:

GAVILON GROUP
4256 54TH AVE. N.
GRAND FORKS, ND 58203

Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		6/7/19

Quantity	Item	Description	Unit Price	Amount
1.00		FOR SERVICES TO YOUR UNITS AT GRAND FORKS AS FOLLOWS:		
1.00		UNIT #2: COMPLETE THE SPRING MAINTENANCE AND INSPECTION AND WORK ON LOADING ISSUES, REPLACED ONE BRAKE SHOE.	1,050.00	1,050.00
1.00		MATERIALS SUPPLIED:		
2.00	EG-2	1200 AIR INTAKE FILTER	68.41	136.82
2.00	FJ-2S	SPIN ON FUEL FILTER	11.75	23.50
2.00	FH-1B	FUEL FILTER	11.35	22.70
2.00		CORK GASKETS FOR ABOVE	7.23	14.46
4.00	C-12	C-12 LUBE OIL (O.O.E.) FILTER	30.00	120.00
1.00		GASKET FOR ABOVE	32.00	32.00
1.00	AK-2	ROUND AIR COMPRESSOR FILTER	42.05	42.05
1.00		BRAKE SHOE	137.55	137.55
2.00		GALS OF JOURNAL TEX OIL	21.00	42.00
4.00		BAGS OF CRATER GREASE	6.50	26.00
1.00		GAL OF A.C. OIL	17.50	17.50
1.00		LUBE OIL ANALYSIS	32.50	32.50
1.00		UNIT #477: COMPLETE THE SPRING MAINTENANCE AND INSPECTION,	1,102.50	1,102.50

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

Check/Credit Memo No:

DEPENDENT LOCOMOTIVE SERVICE, INC

IN ST.
BOX 79
HELM, MN 55005
USA

Voice: 763-434-4661

Fax: 763-434-0017

INVOICE

Invoice Number: 19132

Invoice Date: May 8, 2019

Page: 2

Bill To:

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GRAND FORKS, ND 58203

Ship to:

GAVILON GROUP
4256 54TH AVE. N.
GRAND FORKS, ND 58203

Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		6/7/19

Quantity	Item	Description	Unit Price	Amount
1.00		REPLACE FLOW SWITCH TO HOTSTART STAND-BY HEATER, CHANGE 3 BRAKE SHOES AND REPLACE THE AUX GEN BRUSHE		
1.00	PRP224064-000	MATERIALS SUPPLIED: FLOW SWITCH RR & CL - RR 6-20GPM	838.65	838.65
1.00		1" X 3" NIPPLE	0.85	0.85
4.00	AE-529	DYNACELL- STYLE AIR FILTER	150.00	600.00
19.00	FP2020	CARBODY "FIBERGLASS" AIR FILTER	6.10	115.90
2.00	FJ-2S	SPIN ON FUEL FILTER	11.75	23.50
2.00		GASKETS FOR ABOVE	7.25	14.50
4.00	C-12	C-12 LUBE OIL (O.O.E.) FILTER	30.00	120.00
1.00		GASKET FOR ABOVE	32.00	32.00
2.00	AK-3	SQUARE AIR COMPRESSOR INTAKE AIR FILTER	72.00	144.00
2.00	FF-1B	FUEL FILTER	27.46	54.92
3.00		SHORT CAST ROAD SHOES	82.50	247.50
2.00		GALS OF JOURNAL TEX OIL	21.00	42.00
4.00		BAGS OF CRATER GREASE	6.50	26.00
1.00		30V 20W LIGHT BULB	3.93	3.93
1.00		GAL OF A.C. OIL	17.50	17.50
Subtotal				Continued
Sales Tax				Continued
Total Invoice Amount				Continued
Payment/Credit Applied				
TOTAL				Continued

Check/Credit Memo No:

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BOX 79
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Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		6/7/19

Quantity	Item	Description	Unit Price	Amount
1.00		AUX GEN BRUSH	11.38	11.38
1.00		LUBE OIL ANALYSIS	32.50	32.50
1.00		TRAVEL TO & FROM THE JOB SITE	250.00	250.00
Subtotal				5,374.71
Sales Tax				
Total Invoice Amount				5,374.71
Payment/Credit Applied				
TOTAL				5,374.71

Check/Credit Memo No:

PAID
6-16-19

SW9

INDEPENDENT LOCOMOTIVE SERVICE, INC

21 MAIN ST.
P.O. BOX 79
BETHEL, MN 55005
USA

Voice: 763-434-4661
Fax: 763-434-0017

INVOICE

Invoice Number: 17580
Invoice Date: Jun 12, 2017
Page: 1

Bill To:
VITERRA-GRAND FORKS 4256 54TH AVE. N. GRAND FORKS, ND 58203

Ship to:
GAVILON GROUP 4256 54TH AVE. N. GRAND FORKS, ND 58203

Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		7/12/17

Quantity	Item	Description	Unit Price	Amount
1.00		FOR SERVICES ON 5-19-17 TO LOCOMOTIVE #2 AT GRAND FORKS TO COMPLETE THE SPRING MAINTENANCE AND INSPECT UNIT FOR VALUATION AND WORTHINESS		
1.00		TO DO THE JOB IT IS REQUIRED TO DO. (SEE REPORT)	2,100.00	2,100.00
1.00		MATERIALS SUPPLIED:		
35.00		GALS OF MIXED ANTI-FREEZE	6.85	239.75
3.00	A28A-A12	CAST IRON BRAKE SHOE	137.53	412.59
2.00	EG-2	1200 AIR INTAKE FILTER	65.04	130.08
2.00	FJ-2S	SPIN ON FUEL FILTER	11.37	22.74
2.00	FH-1B	FUEL FILTER	11.35	22.70
2.00		GASKETS FOR ABOVE	7.23	14.46
4.00	C-12	C-12 LUBE OIL (O.O.E.) FILTER	29.00	116.00
1.00		GASKET FOR ABOVE	30.05	30.05
1.00	AK-2	ROUND AIR COMPRESSOR FILTER	42.05	42.05
3.50		GALS OF JOURNAL TEX OIL	18.50	64.75
4.00		BAGS OF CRATER GREASE	6.30	25.20
1.00		1/2" X 5 1/4" KEYSTOCK	3.75	3.75
3.00		GREEN SQUARE COVER GASKETS	14.48	43.44

Subtotal	Continued
Sales Tax	Continued
Total Invoice Amount	Continued
Payment/Credit Applied	
TOTAL	Continued

Check/Credit Memo No:

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Customer ID	Customer PO	Payment Terms	
130	WORK ORDER #08236	Net 30 Days	
Sales Rep ID	Shipping Method	Ship Date	Due Date
	Airborne		7/12/17

Quantity	Item	Description	Unit Price	Amount
1.00		LUBE OIL ANALYSIS	32.50	32.50
1.00		TRAVEL TO & FROM THE JOB SITE	400.00	400.00
Subtotal				3,700.06
Sales Tax				
Total Invoice Amount				3,700.06
Payment/Credit Applied				
TOTAL				3,700.06

Check/Credit Memo No:



TRIBOLOGY

UIN 012D0B2

Diesel Engine

Unit No.

2

Unit:

Make

Model

Serial No.

Site

Gavilon Grand Forks ND

Compartment:

Name Diesel Engine

Make EMD

Model 12-567C

Serial No.

Capacity: 125.0 gal

Customer:

INDEPENDENT LOCOMOTIVE SERVICE

21 Main St NE

Bethel MN 55005

USA

DIAGNOSIS

All wear rates normal. Abrasive and other contaminant levels are acceptable. Viscosity within specified operating range.

Action: Resample next recommended service interval to further monitor.

ANALYST: Jon.Sowers

	LEGEND			
Normal				
	Severe	Abnormal	Caution	Normal

Right Solutions • Right Partner

DATE SAMPLED	19-May-17	04-May-16	09-Apr-13	15-Jan-13	10-May-12	14-Mar-12
DATE RECEIVED	06-Jun-17	18-May-16	30-Apr-13	29-Jan-13	01-Jun-12	02-Apr-12
DATE REPORTED	08-Jun-17	20-May-16	02-May-13	31-Jan-13	04-Jun-12	04-Apr-12

LAB NO.	42021007166	42020632427	42020386978	4202033650	42020270767	42020247932
SIF NO.	18408108	18407998	12087263	12087169	10999279	10999333
TIME ON UNIT	Hrs	Hrs				
TIME ON OIL	Hrs					
OIL BRAND	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified
OIL TYPE	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified	Unidentified
OIL GRADE	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40	SAE 40
OIL ADDED						
FILTER						
OIL CHANGED	Not Changed	Not Changed	Not Changed	Not Changed	Not Changed	Not Changed
WO NUMBER						

Metals (ppm)						
Iron (Fe)	11	9	10	46	9	36
Chromium (Cr)	3	3	2	13	2	13
Lead (Pb)	<1	<1	<1	11	2	10
Copper (Cu)	5	6	7	32	5	26
Tin (Sn)	<1	<1	1	9	2	8
Aluminum (Al)	2	3	1	5	3	4
Nickel (Ni)	<1	<1	<1	<1	<1	<1
Silver (Ag)	<1	<1	<1	2	<1	1
Titanium (Ti)	<1	<1	<1	<1	<1	<1
Vanadium (V)	<1	<1	<1	<1	<1	<1

Contaminants (ppm)						
Silicon (Si)	2	3	4	11	5	9
Sodium (Na)	18	27	6	46	6	38
Potassium (K)	20	29	<5	87	8	92

Additives (ppm)						
Magnesium (Mg)	24	24	15	8	19	12
Calcium (Ca)	4506	4063	3807	3018	3831	2994
Barium (Ba)	<1	<1	<1	<1	<1	<1
Phosphorus (P)	4	14	7	425	3	230
Zinc (Zn)	<1	1	<1	<1	3	10
Molybdenum (Mo)	<1	<1	<1	73	2	77
Boron (B)	<5	<5	<5	12	<5	10

Contaminants						
Water (%)	<0.05	<0.05	<0.05	<0.05	<0.05	2.70
Coolant	No	No	No	Yes	No	Yes

Physical Tests						
Viscosity (cSt 100C)	12.2	15.0	13.9	14.8	14.4	N/A
Fuel (%)	1	<1	<1	<1	<1	<1
PQ Index	<10	13	<10	<10	<10	<10
Soot (%) Infrared	0.4	0.4	0.3	1.4	0.2	0.9





Right Solutions • Right Partner

UIN 012D0B2

U.S. Laboratories

Atlanta, Georgia - 420 Valley View, Ohio - 410
 3121 Presidential Drive
 Atlanta, GA 30340
 800.394.3669
Kansas City, Kansas - 430 Phoenix, Arizona - 440
 935 Sunshine Road
 Kansas City, KS 66115
 800.332.8055
Portland, Oregon - 401 Sparks, Nevada - 400
 4943 NW Front Avenue
 Portland, OR 97210
 800.770.4128

Canadian Laboratories

Burlington, Ontario - 450
 1240 Bur Oak Drive, Unit 6
 Burlington, ON L7L 8B3
 877.732.9559
Edmonton, Alberta - 402
 10717-176 Street
 Edmonton, AB T5S 1K1
 888.489.0057

Sales & Marketing

Houston, Texas
 10450 Stanchiff Road, Suite 210
 Houston, TX 77099
 877.835.8437

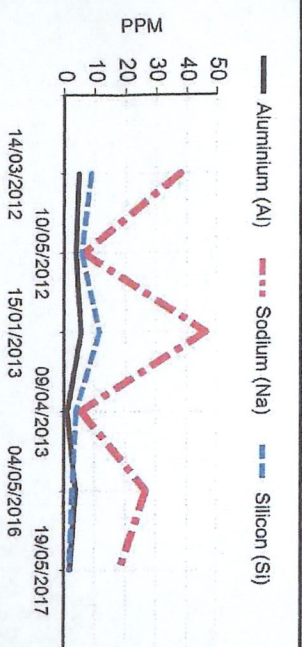
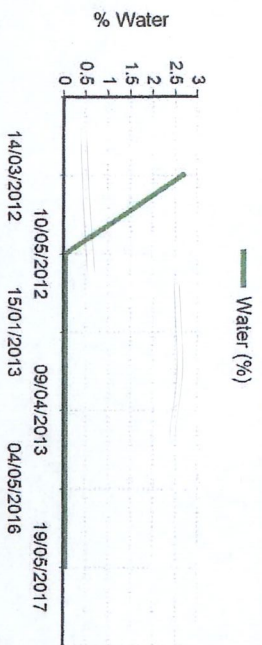
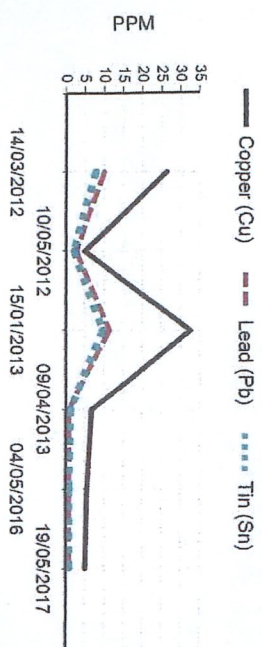
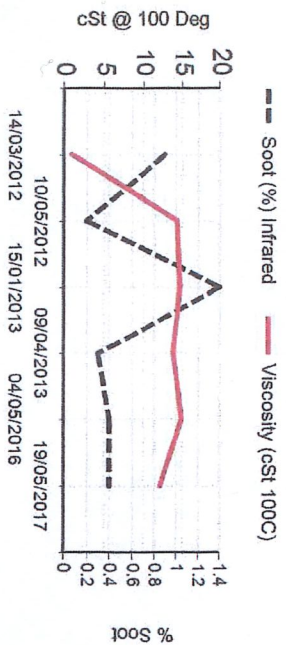
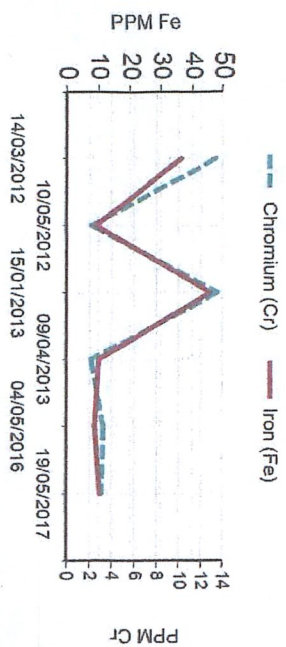
International Locations

Australia South America
 Brisbane, Perth, Sydney, Muswellbrook
 Santiago de Chile
New Zealand Southeast Asia
 Wellington
 Kuala Lumpur, Singapore
 Europe
 Prague

TEST METHODS:

Acid Number: ASTM D974/D664 (*M)
 Base Number: ASTM D4739 (*M)
 Base Number (Perchloric): ASTM D2896
 Fuel Dilution by GC: ASTM D3524/D7593
 Fuel Dilution Visc/Setflash: ASTM D445/D779/D3828
 Fuel Soot ATR/IR: ASTM D7866
 Glycol: ASTM D2982
 Metals by ICP AES: ASTM D5185 (*M)
 O₂, NO_x, SO_x, FTIR: ASTM D7418/D7414/D7415
 D7624
 Particle Count: ASTM D7647 (*M) / ISO 11500, 4406
 Viscosity: ASTM D445 / D7279
 Water KF: D6304C / D1744 (*M)
 Water Crackles: In House

*M - Modified Method



Filter Image
 Filter patch test is not performed Contact laboratory for more information

Since services are based on samples and information supplied by others, and since corrective actions, if any, are necessarily taken by others, these services are rendered without any warranty or liability of any kind beyond the actual amount paid to ALS Tribology for the services. Reported recommendations are based on interpretations of the generated test results and historical data. Certain test results appearing in this report may have been tested at other ALS laboratories within the Tribology divisional network.

Independent Locomotive Service

Attn: Tanya/Frank Nesbit
 P O BOX 79
 BETHEL MN 55005