



ANA LABORATORIES, INC.

Serving Customers Since 1973

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MONTREAL MAINE & ATLANTIC RWY

Attn: STEVE JONSTON
18 B & A AVE
DERBY, ME 04463

U YOUR COMPUTER NAME JGMMADME
N YOUR COMPUTER UNIT I.D. 8546
I TYPE
T MAKE
I MODEL
N SUMP CAPACITY
F TYPE OF OPERATION
O OIL TYPE Used

S RAIL
Y
S
I
N
F
O

TEST TYPE B1

LAB#	SAMPLE DATE	PROCESS DATE	HOURS/MILES	OIL SYS	OIL ADDED	OIL DRAINED	ELTR.CHANGE	FF	BY	K	V	MO	ADDITIVES IN PPM BY WEIGHT				P	ZN
													MG	CA	BA	BA		
R09A006522	11/07/2008	01/12/2009	500.000	100.000	20	No	Yes	No	0	0	110	23	6052	0	108	9		
R09A013838	01/13/2009	01/22/2009	500.000	100.000	20	No	Yes	No	0	1	84	19	5719	0	0	6		
R09E010491	04/25/2009	05/15/2009	500.000	100.000	20	No	Yes	No	2	1	64	22	4858	0	0	28		
R09H008718	07/27/2009	08/14/2009	0	0	20	No	No	No	2	0	61	15	5148	0	42	5		
R10B001804	01/26/2010	02/03/2010	0	0	20	No	Yes	No	0	0	89	18	6001	0	30	2		

ELEMENTAL ANALYSIS VALUES IN PPM BY WEIGHT

OIL QUALITY

Severity Code	Antimony	Titanium	Silver	Copper	Lead	Tin	Aluminum	Nickel	Iron	Chromium	Cadmium	Sodium	Boron	Silicon	Water % by vol	%Solids	Glycol	Fuel	SAE/ISO Grade	TBN (mg/g)	Vis @ 40C	Vis @ 100C
1	0	0	0	2	1	0	3	0	15	0	0	4	4	4	<.05	0.70	N	0.00	9.60	NA	16.22	
NO CORRECTIVE ACTION NEEDED!																						
1	0	0	0	2	2	0	3	0	11	0	0	7	3	4	<.05	0.90	N	0.00	11.00	NA	16.33	
NO CORRECTIVE ACTION NEEDED!																						
5	0	0	0	3	5	0	3	0	11	0	0	7	4	6	<.05	0.90	N	0.00	10.10	NA	15.14	
Zinc above 10PPM. CALL CODE: RESAMPLE ASAP TO VERIFY RESULTS.																						
1	0	0	0	4	3	0	3	0	11	0	0	6	2	8	<.05	1.60	N	0.00	8.80	NA	16.05	
ANALYSIS INDICATES OVERALL SATISFACTORY CONDITIONS.																						
N	0	0	0	5	12	0	3	0	19	1	0	30	5	8	<.05	1.00	N	0.00	6.00	NA	16.11	
NO CORRECTIVE ACTION NEEDED!																						

Since services are based on samples and information supplied by others, and since corrective action, if any, is necessarily taken by others, these services are rendered without any warranty or liability.

Analyst: MWP



Quantum Desktop Playback
Data Scan Report

Report Date: 04-20-2010
Locomotive MMA8546

Data Removed on 04-20-10

SPEED (MPH)	OK
TRACTION MOTOR CURRENT	OK
BRAKE PIPE PRESSURE	OK
INDEPENDENT BRAKE	OK
END-OF-TRAIN PSI	Never above 20.
EP BRAKE REQUESTED	Never ON/ACTIVE
THROTTLE	Dynamic Brake never reported.
REVERSE	OK
EIE	OK
PCS	OK
HORN	OK
EOT MOVING	Never ON/ACTIVE
EOT MSG. JUST RX	Never ON/ACTIVE
EOT LIGHT	Never ON/ACTIVE
EP OPERATING MODE	Never ON/ACTIVE
EP PENALTY BRAKE	Never ON/ACTIVE
EP ENGINEER EMERGENCY	Never ON/ACTIVE



Quantum Desktop Playback

Manufacturer is QEI Version # S45E
Serial Number is 0204100373
Customer is MMAR

Data was removed on - 13:19:50 on 04/20/10
Last Downloaded on - 14:27:00 on 01/26/10
Battery was installed on - 10/13/04
Locomotive Number is - MMA8546

Downloaded by - LeBlanc
Location - Derby,ME
Train - 1
Wheel Size Entry - 40
Wheel Size used by program:
Circumference = 125.7 Diameter = 40.0
No memo present.

Wheel size used for printout is 125.66

QDP Version V