



C8-1175 Appleby Line
 Burlington, ON, Canada L7L 5H9

FLUID ANALYSIS REPORTS

Standard 9 x 5-3/4

To: Pierre Beauchamp
 9042628 Canada Inc
 3755 - E Boul Matte
 Brossard, QC, Canada J4Y 2P4

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Sample No. : WC994123
Lab Number : 02167155
Test Package : MOB 1
Sampled : 29 Aug 2017

Machine Id **PETERBILT 379 17-JUMT-01-001M 525783N (S/N 2WS27478)**
 Component CATERPILLAR 3406E Front Diesel Engine
 Fluid DELVAC 15W40 (40 LTR)

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

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OIL ANALYSIS REPORT

WEAR	NORMAL
CONTAMINATION	NORMAL
FLUID CONDITION	NORMAL

Machine Id
PETERBILT 379 17-JUMT-01-001M 525783N (S/N 2WS27478)

Component
CATERPILLAR 3406E Front Diesel Engine

Fluid
DELVAC 15W40 (40 LTR)

RECOMMENDATION

Resample at the next service interval to monitor.

Test	UOM	Method	Limit/Abn	#3 Current	#2 History1	#1 History2
Sample Number				WC994123	WC990732	WC990725
Sample Date				29 Aug 2017	16 Jun 2017	27 Mar 2017
Machine Age	kms			3096983	3072231	3042006
Oil Age	kms			48949	24197	22067
Filter Age	kms			48949	24197	22067
Oil Changed				Not Changed	Changed	Not Changed
Filter Changed				Not Changed	Not Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL

WEAR

All component wear rates are normal.

Iron	ppm	ASTM D5185	>100	24	12	8.3
Chromium	ppm	ASTM D5185	>20	0.7	0.4	0.2
Manganese	ppm	ASTM D5185		0.4	0.3	0.1
Nickel	ppm	ASTM D5185	>2	0.6	0.4	0.8
Titanium	ppm	ASTM D5185	>2	0.0	0.0	0.0
Silver	ppm	ASTM D5185	>2	0.0	0.0	0.0
Aluminum	ppm	ASTM D5185	>25	1.9	1.9	2.1
Lead	ppm	ASTM D5185	>40	8.4	2.9	1.1
Copper	ppm	ASTM D5185	>330	239	71	5.2
Tin	ppm	ASTM D5185	>15	0.6	0.6	0.5
Vanadium	ppm	ASTM D5185		0.0	0.0	0.0

CONTAMINATION

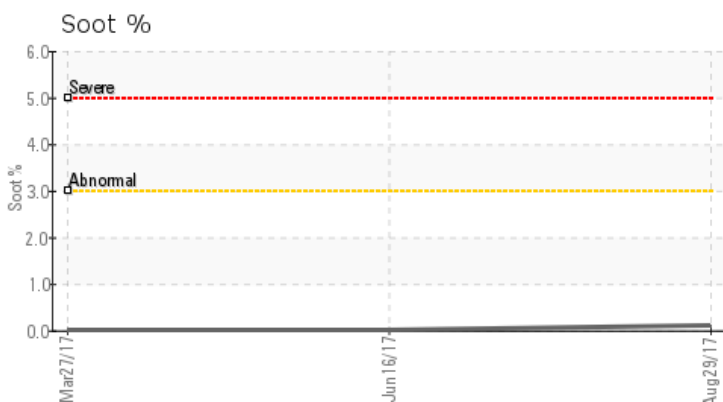
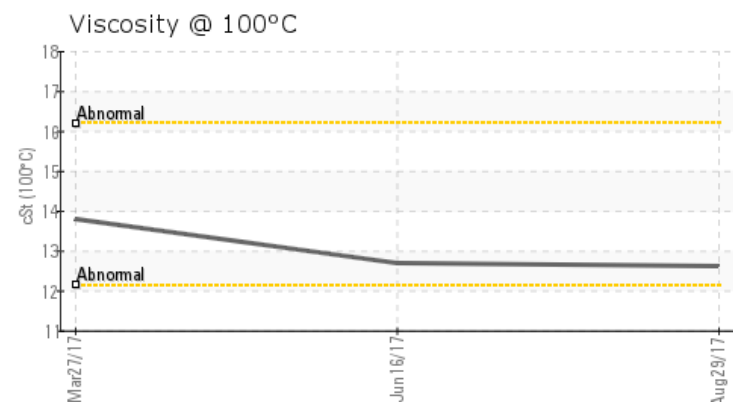
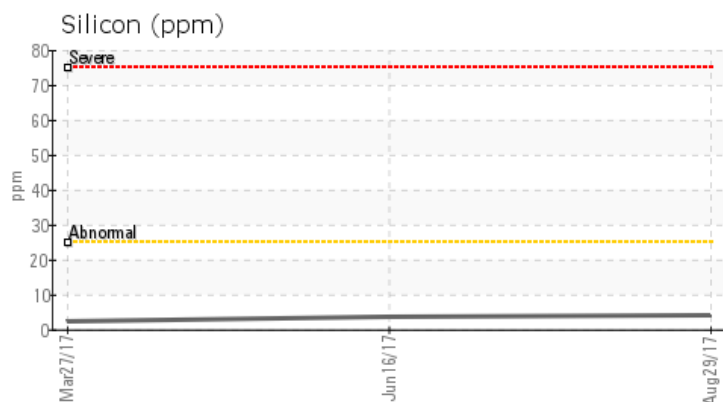
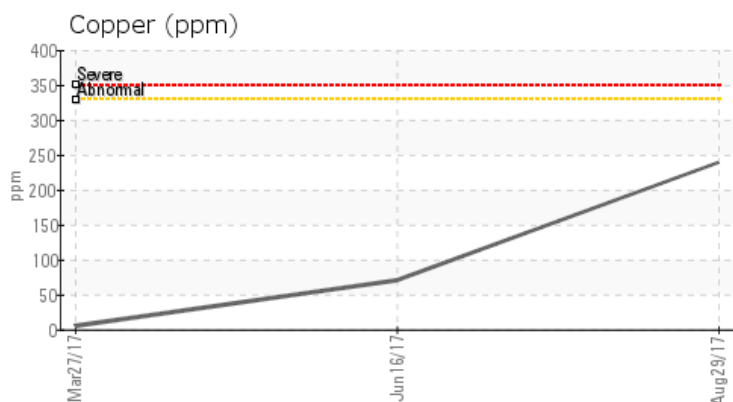
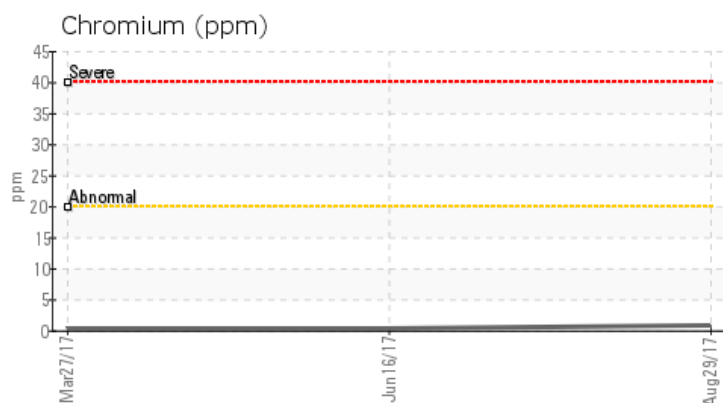
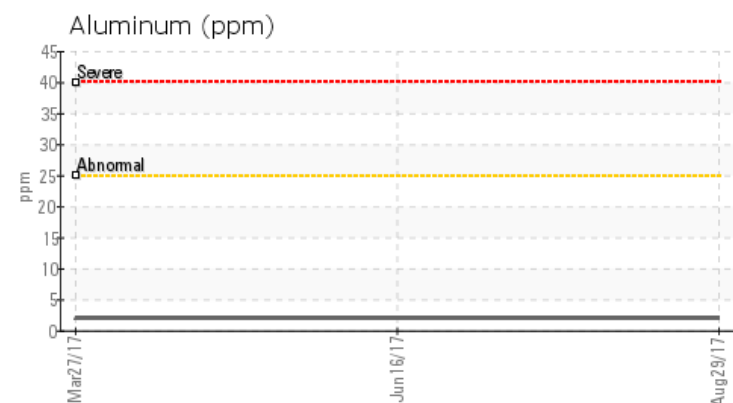
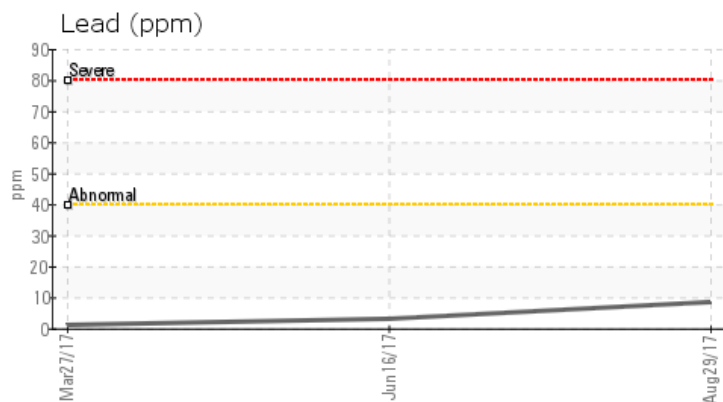
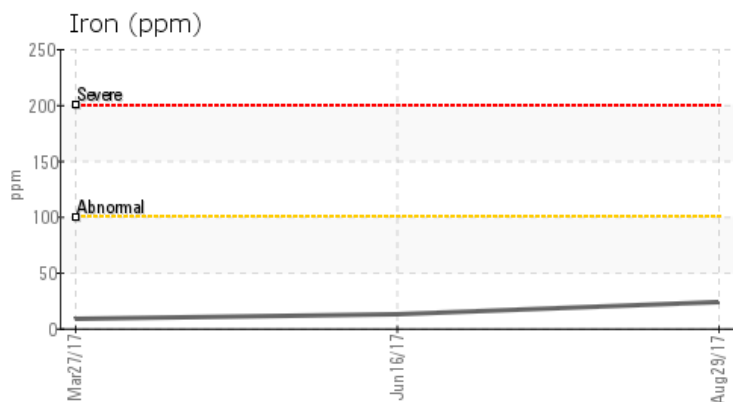
There is no indication of any contamination in the oil.

Silicon	ppm	ASTM D5185	>25	3.9	3.7	2.2
Potassium	ppm	ASTM D5185	>20	0.7	0.5	0.1
Soot %	%	ASTM D7686	>3	0.1	0	0
Nitration (PA)	%	ASTM D7624	>100	92	79	68
Sulfation (PA)	%	ASTM D7415	>100	78	72	66
Emulsified Water	scalar	Visual	>0.2	NEG	NEG	NEG

FLUID CONDITION

The condition of the oil is acceptable for the time in service.

Sodium	ppm	ASTM D5185		4.2	3.9	3.2
Boron	ppm	ASTM D5185		18	26	6.0
Barium	ppm	ASTM D5185		0.1	0.1	0.0
Molybdenum	ppm	ASTM D5185		95	89	2.0
Magnesium	ppm	ASTM D5185		451	441	10
Calcium	ppm	ASTM D5185		1782	1798	2382
Phosphorus	ppm	ASTM D5185		705	770	996
Zinc	ppm	ASTM D5185		903	932	1198
Sulfur	ppm	ASTM D5185		1945	2280	3390
Oxidation (PA)	%	ASTM D7414	>100	94	86	66
Visc @ 100°C	cSt	ASTM D7279		12.6	12.7	13.8



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9
Sample No. : WC994123 **Received** : 01 Sep 2017
Lab Number : 02167155 **Diagnosed** : 22 Sep 2017
Unique Number : 4562226 **Diagnostician** : Kevin Marson
Test Package : MOB 1

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To discuss diagnosis or test data, contact Technical Support at 1-800-268-2131.
 To change component or sample information, contact Customer Service at 1-800-268-2131.