

## **OIL ANALYSIS REPORT**

Sample Rating Trend



M. Com Die Fluid PET

Machine Id MACK 124 Component Diesel Engine

PETRO CANADA DURON SHP 10W30 (36 LTR)

### DIAGNOSIS

#### Recommendation

Resample at the next service interval to monitor.

#### Wear

All component wear rates are normal.

#### Contamination

There is no indication of any contamination in the oil.

### Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

SAMPLE INFOR	MATION	method	limit/base	current	history 1	history 2
Sample Number				PC977564	PC394507	PC391158
Sample Date				25 Oct 2018	18 Jul 2017	22 Jul 2016
Machine Age	kms			896190	791557	631454
Oil Age	kms			86510	82743	77056
Oil Changed				Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINAT	ION	method	limit/base	current	history 1	history 2
Fuel		ASTM D3524	>3.0	<1.0	<1.0	<1.0
Glycol		ASTM D2982		NEG	NEG	NEG
WEAR METAL	.S	method	limit/base	current	history 1	history 2
Iron	ppm	ASTM D5185	>120	48	34	10
Chromium	ppm	ASTM D5185	>20	<1	<1	<1
Nickel	ppm	ASTM D5185	>5	1	1	<1
Titanium	ppm	ASTM D5185	>2	0	0	<1
Silver	ppm	ASTM D5185	>2	0	0	0
Aluminum	ppm	ASTM D5185	>20	5	4	4
Lead	ppm	ASTM D5185	>40	3	6	1
Copper	ppm	ASTM D5185	>330	2	3	2
Tin	ppm	ASTM D5185	>15	<1	1	<1
Antimony	ppm	ASTM D5185		0	<1	1
Vanadium	ppm	ASTM D5185		0	0	0
Beryllium	ppm	ASTM D5185		0	0	0
Cadmium	ppm	ASTM D5185		0	0	0
ADDITIVES		method	limit/base	current	history 1	history 2
Boron	ppm	ASTM D5185	2	2	<1	103
Barium	ppm	ASTM D5185	0	0	<1	<1
Molybdenum	ppm	ASTM D5185	50	59	52	12
Manganese	ppm	ASTM D5185	0	<1	<1	<1
Magnesium	ppm	ASTM D5185	950	905	856	61
Calcium	ppm	ASTM D5185	1050	1083	1239	2268
Phosphorus	ppm	ASTM D5185	995	946	973	1014
Zinc	ppm	ASTM D5185	1180	1184	1260	1202
Sulfur	ppm	ASTM D5185	2600	2145	2334	3268
Lithium	ppm	ASTM D5185		0	<1	<1
CONTAMINAN	ITS	method	limit/base	current	history 1	history 2
Silicon	ppm	ASTM D5185	>25	6	6	14
Sodium	ppm	ASTM D5185		6	6	5
Potassium	ppm	ASTM D5185	>20	2	1	<1
INFRA-RED		method	limit/base	current	history 1	history 2
Soot %	%	ASTM D7686	>4	0.4	0.2	0
Nitration	Abs/cm	ASTM D7624		14.0	12.7	8.0
Sulfation	Abs/.1mm	ASTM D7415		29.2	30.3	22.6



Bas 80

75

70

65

60

Jun28/13

Jul16/13 Jan7/14

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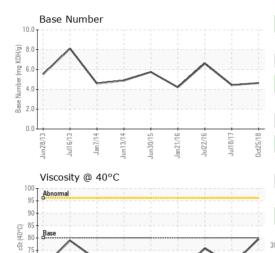
FLUID DEGRADATION method

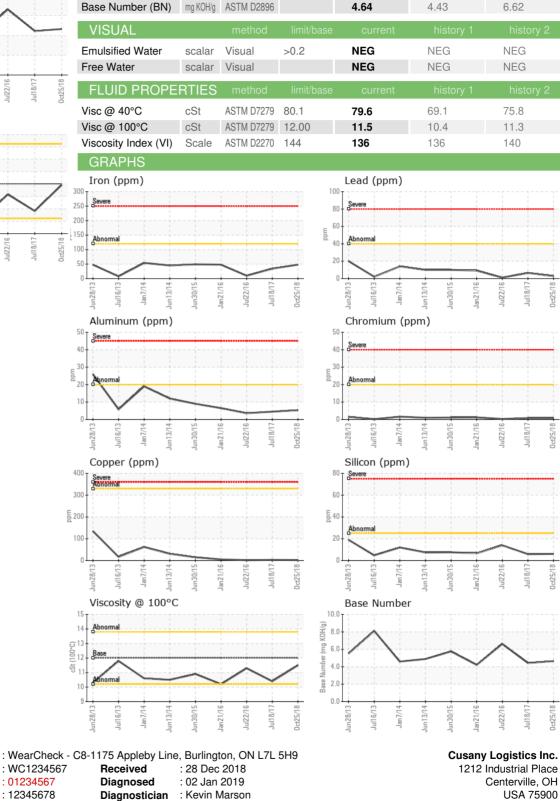
Abs/.1mm ASTM D7414

>25

Oxidation

0ct25/18





25.6

17.7

30.4



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.

Laboratory

Sample No.

Lab Number

Unique Number

: WC1234567

Test Package : MOB 2 (Additional Tests: KV40, VI)

: 01234567 : 12345678

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