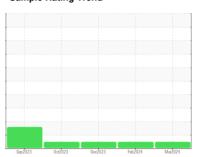


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

CATERPILLAR 938M 76

Diesel Engine

PETRO CANADA 15W40 (--- GAL)

Recommendation

Resample at the next service interval to monitor.

All component wear rates are normal.

Contamination

There is no indication of any contamination in the

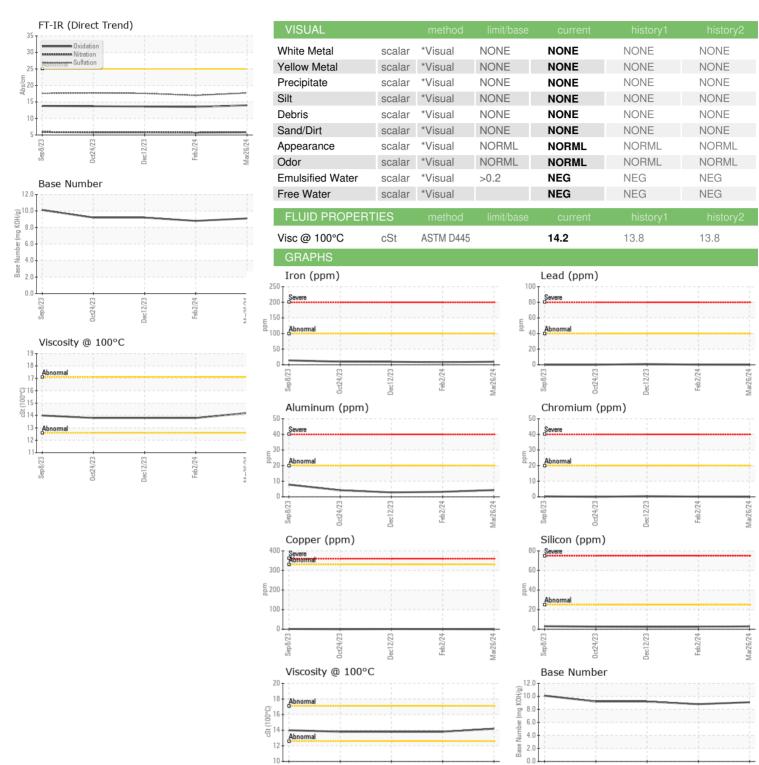
Fluid Condition

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

		Sep 2023	0et2023	Dec2023 Feb2024	Mar2024	
SAMPLE INFORM	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0917050	WC0906050	WC0878977
Sample Date		Client Info		26 Mar 2024	02 Feb 2024	12 Dec 2023
Machine Age	hrs	Client Info		7963	7676	7838
Oil Age	hrs	Client Info		287	242	254
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	J	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method	>0.2	NEG	NEG	NEG
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	10	8	9
Chromium	ppm	ASTM D5185m	>20	0	<1	<1
Nickel	ppm	ASTM D5185m	>4	<1	0	0
Titanium	ppm	ASTM D5185m		0	0	0
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		4	3	3
Lead	ppm	ASTM D5185m	>40	0	<1	<1
Copper	ppm	ASTM D5185m		0	<1	1
Tin	ppm	ASTM D5185m	>15	<1	<1	0
Vanadium	ppm	ASTM D5185m		0	0	<1
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m		<1	4	5
Barium	ppm	ASTM D5185m		0	0	0
Molybdenum	ppm	ASTM D5185m		57	54	60
Manganese	ppm	ASTM D5185m		0	<1	0
Magnesium	ppm	ASTM D5185m		963	940	959
Calcium	ppm	ASTM D5185m		1026	999	1028
Phosphorus	ppm	ASTM D5185m		1072	1083	963
Zinc Sulfur	ppm	ASTM D5185m		1266	1282	1268
	ppm	ASTM D5185m	1: 1: 0	3691	3166	3181
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon Sodium	ppm		>25	3	2	2
Potassium	ppm	ASTM D5185m ASTM D5185m	>20	3	<1 2	0 2
	ppm					
INFRA-RED		method	limit/base	current	history1	history2
Soot %	% Ala a /aua	*ASTM D7844	>3	0.1	0.1	0.2
Nitration	Abs/cm	*ASTM D7624	>20	5.8	5.7	5.8
Sulfation	Abs/.1mm	*ASTM D7415		17.7	17.0	17.6
FLUID DEGRADA	TION	method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	14.0	13.5	13.6
Base Number (BN)	mg KOH/g	ASTM D2896		9.1	8.8	9.2



OIL ANALYSIS REPORT







Laboratory Sample No.

Lab Number : 06145158

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0917050

Unique Number : 10969966

Received **Tested**

Dec12/23

: 10 Apr 2024 : 11 Apr 2024

Diagnosed : 11 Apr 2024 - Wes Davis

Test Package : MOB 1 (Additional Tests: TBN) Certificate 12367 To discuss this sample report, contact Customer Service at 1-800-237-1369.

* - Denotes test methods that are outside of the ISO 17025 scope of accreditation. Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)

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706 38TH AVE N MYRTLE BEACH, SC US 29577

Contact: NEIL

neil@clbenton.com T:

Contact/Location: NEIL ? - CLBMYR

F: