

WEAR CONTAMINATION FLUID CONDITION

ABNORMAL NORMAL NORMAL



CATERPILLAR 268B 73

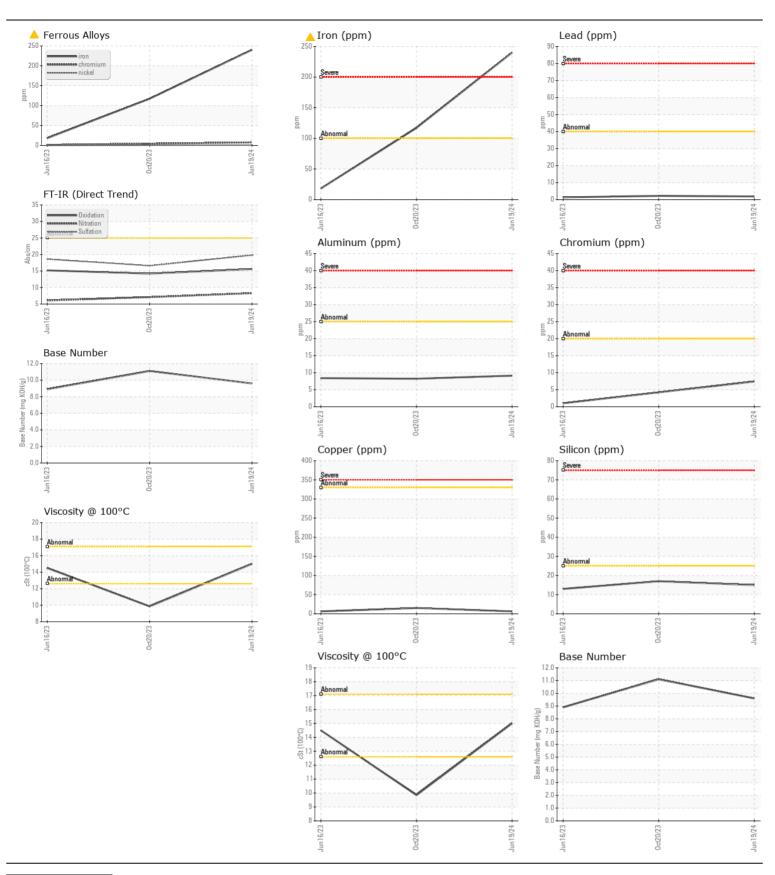
Diesel Engine

PETRO CANADA 15W40 (--- GAL)

RECOMMENDATION		Test	UOM	Method	Limit/Abn	Current	History1	History2
0.1 1.51 1 1 1 1	umpling has been noted. No this time. We recommend an early	Sample Number		Client Info		WC0878790	WC0822230	WC0822338
		Sample Date		Client Info		19 Jun 2024	20 Oct 2023	16 Jun 2023
resample to monitor this condition.		Machine Age	hrs	Client Info		1629	1420	1314
resumple to morntor this condition.		Oil Age	hrs	Client Info		300	106	122
		Filter Age	hrs	Client Info		300	106	122
		Oil Changed		Client Info		Changed	Changed	Changed
		Filter Changed		Client Info		Changed	Changed	Changed
		Sample Status				ABNORMAL	ABNORMAL	NORMAL
WEAR	AR		ppm	ASTM D5185m	>100	4 240	<u> </u>	18
		Chromium	ppm	ASTM D5185m	>20	7	4	1
Cylinder, crank, or cam shaft wear is	indicated.	Nickel	ppm	ASTM D5185m	>2	<1	<1	0
		Titanium	ppm	ASTM D5185m	>2	<1	<1	<1
		Silver	ppm	ASTM D5185m	>2	0	0	0
		Aluminum	ppm	ASTM D5185m	>25	9	8	8
		Lead	ppm	ASTM D5185m	>40	2	2	1
		Copper	ppm	ASTM D5185m	>330	6	15	6
		Tin	ppm	ASTM D5185m	>15	<1	1	<1
		Vanadium	ppm	ASTM D5185m		<1	0	0
		White Metal	scalar	*Visual	NONE	NONE	NONE	NONE
	Yellow Metal	scalar	*Visual	NONE	NONE	NONE	NONE	
CONTAMINATION		Silicon	ppm	ASTM D5185m	>25	15	17	13
	I ination in the oil.	Potassium	ppm	ASTM D5185m		3	2	2
There is no indication of any contami		Fuel		WC Method		<1.0	0.4	<1.0
		Water		WC Method		NEG	NEG	NEG
		Glycol		WC Method		NEG	NEG	NEG
		Soot %	%	*ASTM D7844	>3	0.4	0.2	0.2
		Nitration	Abs/cm	*ASTM D7624	>20	8.3	7.1	6.1
		Sulfation	Abs/.1mm	*ASTM D7415	>30	19.8	16.6	18.6
		Silt	scalar	*Visual	NONE	NONE	NONE	NONE
		Debris	scalar	*Visual	NONE	NONE	NONE	NONE
		Sand/Dirt	scalar	*Visual	NONE	NONE	NONE	NONE
		Appearance	scalar	*Visual	NORML	NORML	NORML	NORML
		Odor	acalar	*\/:	NODM	NODM	NODM	NODM

FLUID CONDITION

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





Certificate L2367

Laboratory Sample No.

Lab Number

: WearCheck USA - 501 Madison Ave., Cary, NC 27513 : WC0878790 : 06222220

Received **Tested** Unique Number : 11100417

: 27 Jun 2024 Diagnosed Test Package : MOB 1 (Additional Tests: TBN)

: 28 Jun 2024

: 28 Jun 2024 - Don Baldridge

Contact: JAMIE HUCKS shop@clbenton.com

C.L. BENTON & SONS INC

T: F:

MYRTLE BEACH, SC

706 38TH AVE N

US 29577

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)