

OIL ANALYSIS REPORT

Sample Rating Trend







KEN DIESEL (S/N 4RG01618) Component

Diesel Engine

CAT DIESEL ENGINE OIL 15W40 (34 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

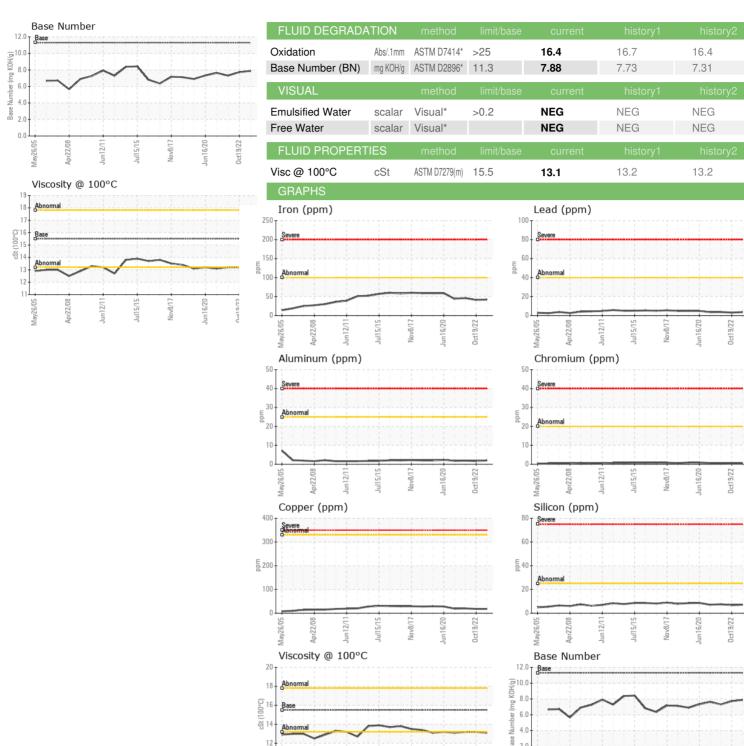
Fluid Condition

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

OIL 15W40 (34 L	in)	lay2005 Ag	or2008 Jun2011 Ji	ul2015 Nov2017 Jun2020	Oct2022	
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0455727	WC0445195	WC0445330
Sample Date		Client Info		07 Jun 2023	19 Oct 2022	03 Mar 2022
Machine Age	hrs	Client Info		0	718	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	Not Changd	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Glycol		WC Method		NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	42	41	46
Chromium	ppm	ASTM D5185(m)	>20	<1	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	<1	0
Silver	ppm	ASTM D5185(m)	>2	0	0	0
Aluminum	ppm	ASTM D5185(m)	>25	2	2	2
Lead	ppm	ASTM D5185(m)	>40	4	3	4
Copper	ppm	ASTM D5185(m)	>330	18	18	20
Tin	ppm	ASTM D5185(m)	>15	2	2	2
Antimony	ppm	ASTM D5185(m)		<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		<1	<1	<1
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)		33	30	34
Barium	ppm	ASTM D5185(m)		2	2	3
Molybdenum	ppm	ASTM D5185(m)		23	19	16
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)		651	650	657
Calcium	ppm	ASTM D5185(m)		1672	1569	1562
Phosphorus	ppm	ASTM D5185(m)		1026	1018	1005
Zinc	ppm	ASTM D5185(m)	1460	1140	1137	1176
Sulfur	ppm	ASTM D5185(m)		3228	3256	3276
Lithium	ppm	ASTM D5185(m)		<1	<1	0
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	7	7	8
Sodium	ppm	ASTM D5185(m)		6	6	6
Potassium	ppm	ASTM D5185(m)	>20	1	1	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0.3	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	8.0	8.6	8.3
Sulfation	Abs/.1mm	ASTM D7415*	>30	22.2	22.4	23.5



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Laboratory Sample No. Lab Number Unique Number Test Package : MOB 2

: WC0455727 : 02563090 : 5592131

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 09 Jun 2023 Diagnosed : 09 Jun 2023

0.0

Oct19/22

: Wes Davis

Diagnostician

To discuss this sample report, contact Customer Service at 1-800-268-2131. Test denoted (*) outside scope of accreditation, (m) method modified, (e) tested at external lab. Validity of results and interpretation are based on the sample and information as supplied.

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