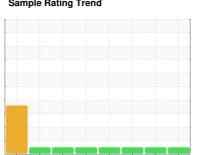


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



GFW DIESEL (S/N 1060967959)

Component

Diesel Engine

DIESEL ENGINE OIL SAE 40 (27 LTR)

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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

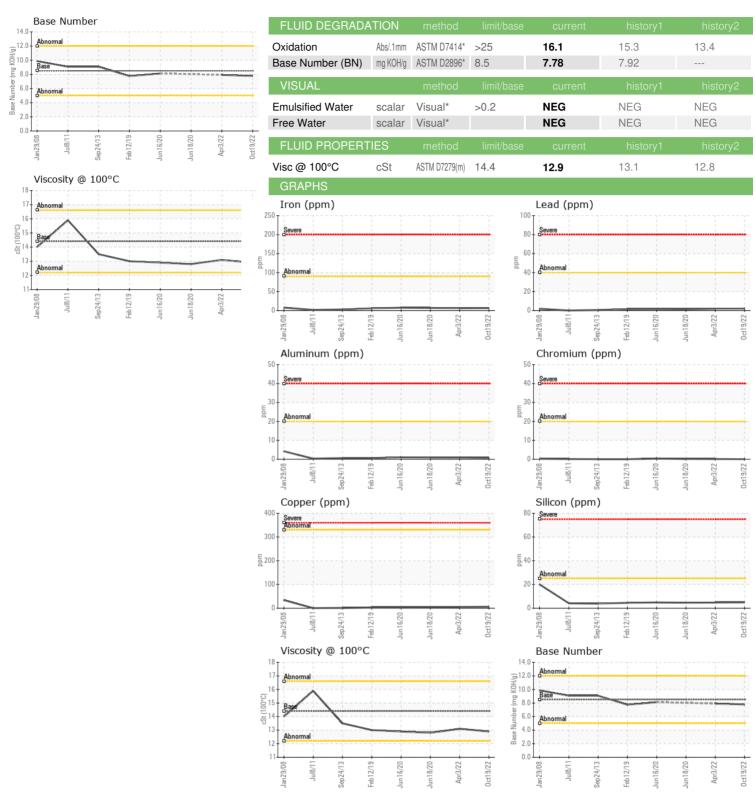
Fluid Condition

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

		Jan2008 .	Jul2011 Sep2013 Feb20	19 Jun2020 Jun2020 Apr202	Oct2022	
SAMPLE INFORM	MOITAN	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0445152	WC0445231	WC985088
Sample Date		Client Info		19 Oct 2022	03 Apr 2022	18 Jun 2020
Machine Age	hrs	Client Info		0	0	261
Oil Age	hrs	Client Info		0	0	261
Oil Changed		Client Info		N/A	N/A	Not Changd
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N.	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<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)	>90	6	6	7
Chromium	ppm	ASTM D5185(m)	>20	0	<1	<1
Nickel	ppm	ASTM D5185(m)	>2	0	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	<1	0	<1
Silver	ppm	ASTM D5185(m)	>2	1	1	1
Aluminum	ppm	ASTM D5185(m)	>20	<1	<1	<1
Lead	ppm	ASTM D5185(m)	>40	2	2	1
Copper	ppm	ASTM D5185(m)	>330	6	5	4
Tin	ppm	ASTM D5185(m)	>15	<1	<1	<1
Antimony	ppm	ASTM D5185(m)		<1	0	<1
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	1	2	2
Barium	ppm	ASTM D5185(m)	10	0	0	<1
Molybdenum	ppm	ASTM D5185(m)	100	44	43	46
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	818	835	864
Calcium	ppm	ASTM D5185(m)	3000	1275	1187	1300
Phosphorus	ppm	ASTM D5185(m)	1150	1086	1053	1103
Zinc	ppm	ASTM D5185(m)	1350	1242	1206	1317
Sulfur	ppm	ASTM D5185(m)	4250	3031	2913	3154
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	5	5
Sodium	ppm	ASTM D5185(m)	>216	5	4	3
Potassium	ppm	ASTM D5185(m)	>20	1	1	2
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0	0	0
Nitration	Abs/cm	ASTM D7624*	>20	7.3	6.8	8.0
Sulfation	Abs/.1mm	ASTM D7415*	>30	19.7	19.9	22.4



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number Unique Number

: WC0445152

: 02517452 : 5474432

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 20 Oct 2022 Diagnosed : 21 Oct 2022 Diagnostician : Kevin Marson

Test Package : MOB 2

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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