

OIL ANALYSIS REPORT

Sample Rating Trend

NORMAL

DUF - DIESEL (S/N 245833)

Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (132 LTR)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

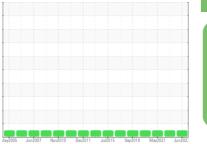
All component wear rates are normal.

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.

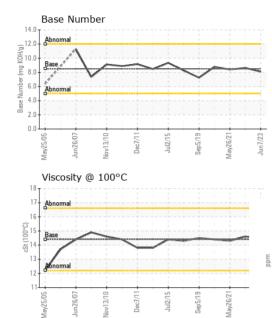


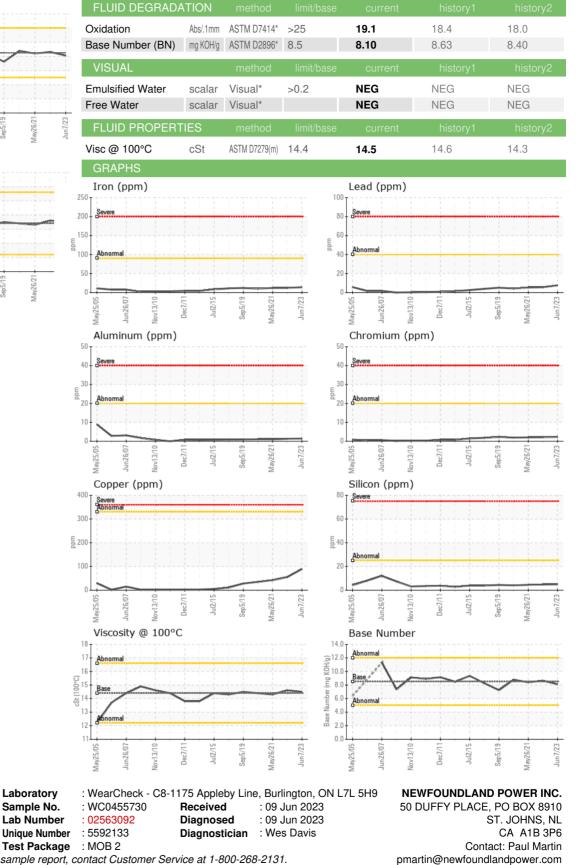


SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0455730	WC0445339	WC0328048
Sample Date		Client Info		07 Jun 2023	03 Mar 2022	26 May 2021
Machine Age	hrs	Client Info		0	0	0
Oil Age	hrs	Client Info		0	0	0
Oil Changed		Client Info		N/A	N/A	N/A
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATIO	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	14	12	12
Chromium	ppm	ASTM D5185(m)	>20	2	2	2
Nickel	ppm	ASTM D5185(m)	>2	<1	<1	<1
Titanium	ppm	ASTM D5185(m)	>2	8	8	8
Silver	ppm	ASTM D5185(m)	>2	0	<1	<1
Aluminum	ppm	ASTM D5185(m)	>20	1	1	1
Lead	ppm	ASTM D5185(m)	>40	8	6	5
Copper	ppm	ASTM D5185(m)	>330	89	55	42
Tin	ppm	ASTM D5185(m)	>15	2	2	1
Antimony	ppm	ASTM D5185(m)		<1	<1	<1
Vanadium	ppm	ASTM D5185(m)		<1	0	<1
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	11	13	12
Barium	ppm	ASTM D5185(m)	10	0	0	0
Molybdenum	ppm	ASTM D5185(m)	100	55	52	49
Manganese	ppm	ASTM D5185(m)		<1	<1	<1
Magnesium	ppm	ASTM D5185(m)	450	977	982	970
Calcium	ppm	ASTM D5185(m)	3000	1538	1422	1398
Phosphorus	ppm	ASTM D5185(m)	1150	1236	1188	1191
Zinc	ppm	ASTM D5185(m)	1350	1384	1381	1403
Sulfur	ppm	ASTM D5185(m)	4250	3116	3030	3114
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	5	5	4
Sodium	ppm	ASTM D5185(m)	>158	6	6	6
Potassium	ppm	ASTM D5185(m)	>20	1	2	1
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	0.3	0.2	0.2
Nitration	Abs/cm	ASTM D7624*	>20	9.7	9.4	9.5
Sulfation	Abs/.1mm	ASTM D7415*	>30	24.1	24.5	22.9
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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.

CALA

ISO 17025:2017 Accredited

Laboratory

Laboratory

Sample No.

Lab Number

Unique Number

Submitted By: Shane Reid

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