

## **OIL ANALYSIS REPORT**

### Area [PMOAS3372430] 2103231 - FREDERICK DR

**Diesel Engine** Fluid DIESEL ENGINE OIL SAE 15W40 (--- QTS)

#### Recommendation

Resample at the next service interval to monitor. Please specify the component make and model with your next sample.

### Wear

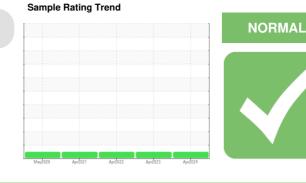
Metal levels are typical for a new component breaking in.

### 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	IATION	method	limit/base	current	history1	history2
Sample Number		Client Info		DC0035073	DC0026651	DC0019114
Sample Date		Client Info		19 Apr 2024	04 Apr 2023	19 Apr 2022
Machine Age	hrs	Client Info		603	561	593
Oil Age	hrs	Client Info		41	0	0
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				NORMAL	NORMAL	NORMAL
CONTAMINATION	N	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0	<1.0	<1.0
Water		WC Method		NEG	NEG	NEG
Glycol		WC Method	20.L	NEG	NEG	NEG
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>100	2	2	3
Chromium	ppm	ASTM D5185m		0	<1	<1
Nickel	ppm	ASTM D5185m		0	0	0
Titanium	ppm	ASTM D5185m		0	0	<1
Silver	ppm	ASTM D5185m	>3	0	0	0
Aluminum	ppm	ASTM D5185m		<1	0	1
Lead	ppm	ASTM D5185m	>40	0	0	<1
Copper	ppm	ASTM D5185m		0	<1	<1
Tin	ppm	ASTM D5185m		0	0	0
Antimony	ppm	ASTM D5185m				
Vanadium	ppm	ASTM D5185m		0	0	0
Cadmium	ppm	ASTM D5185m		0	0	0
ADDITIVES	T. L.	method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185m	250	5	3	6
Barium	ppm ppm	ASTM D5185m	10	0	0	0
Molybdenum	ppm	ASTM D5185m	100	3	4	3
Manganese	ppm	ASTM D5185m	100	0	<1	0
Magnesium	ppm	ASTM D5185m	450	55	28	55
Calcium	ppm	ASTM D5185m	3000	2450	2117	2362
Phosphorus	ppm	ASTM D5185m	1150	1001	826	945
Zinc	ppm	ASTM D5185m	1350	1161	952	1083
Sulfur	ppm	ASTM D5185m	4250	4810	3402	3365
CONTAMINANTS	• •	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>25	6	4	3
Sodium	ppm	ASTM D5185m	>158	۰ <1	2	1
Potassium	ppm	ASTM D5185m	>20	<1	2	0
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	*ASTM D7844	>3	0.1	0.1	0.1
Nitration	Abs/cm	*ASTM D7624	>20	5.3	5.5	6.0
Sulfation	Abs/.1mm	*ASTM D7415		15.2	15.5	16.6
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	*ASTM D7414	>25	8.8	8.7	9.7
Base Number (BN)	mg KOH/g	ASTM D2896		7.7	7.8	8.8
4:43:49) Rev: 1		22000			tion LESLIE SN	

Contact/Location: LESLIE SNURR - KELOWI

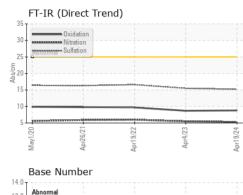


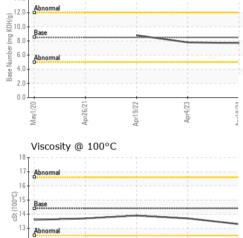
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# **OIL ANALYSIS REPORT**





Apr19/22

Apr4/23



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)

Report Id: KELOWI [WUSCAR] 06159693 (Generated: 04/30/2024 14:43:49) Rev: 1

Certificate 12367

Laboratory

Sample No.

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