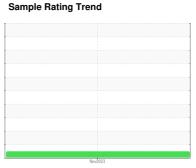


OIL ANALYSIS REPORT

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NORMAL



Machine Id **25085**

Component Rear Diesel Engine

DIESEL ENGINE OIL SAE 15W40 (--- 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 condition of the oil is acceptable for the time in service.

				Nov2023		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0075205		
Sample Date		Client Info		02 Nov 2023		
Machine Age	kms	Client Info		0		
Oil Age	kms	Client Info		0		
Oil Changed		Client Info		Changed		
Sample Status				NORMAL		
CONTAMINAT	ΓΙΟΝ	method	limit/base	current	history1	history2
Fuel		WC Method	>3.0	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	S	method	limit/base	current	history1	history2
Iron		ASTM D5185(m)	>90			
oron Chromium	ppm	ASTM D5185(m) ASTM D5185(m)	>90	38 1		
Chromium Nickel	ppm	\ /	>20	<1		
Nickei Titanium	ppm	ASTM D5185(m) ASTM D5185(m)	>2	0		
Silver	ppm	ASTM D5185(III) ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(III) ASTM D5185(m)	>20	4		
Lead	ppm	ASTM D5185(m)	>40	<1		
	ppm	()		4		
Copper Tin	ppm	ASTM D5185(m) ASTM D5185(m)	>330	0		
	ppm	ASTM D5185(III) ASTM D5185(m)	>15	0		
Antimony Vanadium	ppm	ASTM D5185(III) ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(III) ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
	рріп			-		
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	250	6		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	59		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	450	926		
Calcium	ppm	ASTM D5185(m)	3000	1061		
Phosphorus	ppm	ASTM D5185(m)	1150	944		
Zinc	ppm	ASTM D5185(m)		1147		
Sulfur	ppm	ASTM D5185(m)	4250	2372		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINA	NTS	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	10		
Sodium	ppm	ASTM D5185(m)	>158	6		
Potassium	ppm	ASTM D5185(m)	>20	1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>6	1.5		
Nitration	Abs/cm	ASTM D7624*	>20	13.8		
Sulfation	Abs/.1mm	ASTM D7415*	>30	31.3		



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No. Lab Number **Unique Number**

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9

: PC0075205 : 02603445

: 5696530

Diagnosed Diagnostician : Kevin Marson Test Package : MOB 1 (Additional Tests: KV40, VI)

Recieved

: 15 Dec 2023

: 18 Dec 2023

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.

TORONTO FIRE SERVICES

40 TORYORK DRIVE TORONTO, ON CA M9L 1X6 Contact: Antonio Rodrigues

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Contact/Location: Antonio Rodrigues - TFSTOR

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