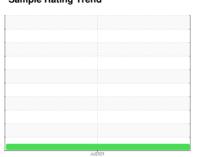


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id
12880871
Component
Diesel Engine

SAE 15W40 (--- GAL)

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Recommendation

Resample at the next service interval to monitor.

Wear

Metal levels are typical for a new component breaking in.

Contamination

There is no indication of any contamination in the

Fluid Condition

The condition of the oil is acceptable for the time in service.

				Jul2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0957970		
Sample Date		Client Info		09 Jul 2024		
Machine Age	hrs	Client Info		639		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel	•	WC Method	>5	<1.0		
Water		WC Method	>0.2	VEG		
			>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>150	26		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>2	<1		
Titanium	ppm	ASTM D5185(m)	>2	<1		
Silver	ppm	ASTM D5185(m)	>2	0		
Aluminum	ppm	ASTM D5185(m)	>20	2		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>30	7		
Tin	ppm	ASTM D5185(m)	>15	0		
Antimony	ppm	ASTM D5185(m)		0		
Vanadium	ppm	ASTM D5185(m)		0		
Beryllium	ppm	ASTM D5185(m)		0		
Cadmium	ppm	ASTM D5185(m)		0		
ADDITIVES		method	limit/base	current	history1	history2
Boron	nnm	ASTM D5185(m)		121		
Barium	ppm	ASTM D5185(m)		2		
Molybdenum	ppm	ASTM D5185(m)		10		
•	ppm	ASTM D5185(III) ASTM D5185(m)		<1		
Manganese	ppm	, ,		195		
Magnesium	ppm	ASTM D5185(m)				
Calcium	ppm	ASTM D5185(m)		1927		
Phosphorus	ppm	ASTM D5185(m)		912		
Zinc	ppm	ASTM D5185(m)		1082		
Sulfur	ppm	ASTM D5185(m)		2683		
Lithium	ppm	ASTM D5185(m)		1		
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	14		
Sodium	ppm	ASTM D5185(m)	>57	3		
Potassium	ppm	ASTM D5185(m)	>20	3		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	0		
Nitration		ASTM D7624*		8.6		

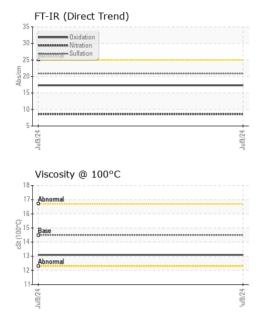
Sulfation

Abs/.1mm ASTM D7415* >30

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OIL ANALYSIS REPORT





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CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

Lab Number : 02646886

: WC0957970 Unique Number : 5812438

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: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 10 Jul 2024

Tested

Diagnosed : 10 Jul 2024 - Wes Davis

: 10 Jul 2024

Test Package : MOB 1 (Additional Tests: Visual) 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.

MARINDUSTRIAL

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