

OIL ANALYSIS REPORT







NO UNIT PC0088292

Diesel Engine

Fluid SAE 5W40 (--- GAL)

DIAGNOSIS

Recommendation

The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

Wear

Iron ppm levels are abnormal. Cylinder, crank, or cam shaft wear is indicated.

Contamination

There is no indication of any contamination in the

▲ Fluid Condition

Viscosity of sample indicates oil is within SAE 10W50 range, advise investigate. The oil is no longer serviceable as a result of the abnormal and/or severe wear.

				Apr2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		PC0088292		
Sample Date		Client Info		24 Apr 2024		
Machine Age	hrs	Client Info		19392		
Oil Age	hrs	Client Info		0		
Oil Changed	1115	Client Info		Changed		
Sample Status		Ciletit IIIIO		ABNORMAL		
·						
CONTAMINAT	ION	method	limit/base	current	history1	history2
Fuel		WC Method	>2.1	<1.0		
Water		WC Method	>0.21	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
PQ		ASTM D8184*	>50	0		
Iron	ppm	ASTM D5185(m)	>51	<u>^</u> 73		
Chromium	ppm	ASTM D5185(m)	>11	<1		
Nickel	ppm	ASTM D5185(m)	>5	1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>31	3		
Lead	ppm	ASTM D5185(m)	>26	2		
Copper	ppm	ASTM D5185(m)	>26	1		
Tin	ppm	ASTM D5185(m)	>4	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	ppm	ASTM D5185(m)		38		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		63		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		1190		
Calcium	ppm	ASTM D5185(m)		900		
Phosphorus	ppm	ASTM D5185(m)		1030		
Zinc	ppm	ASTM D5185(m)		1272		
Sulfur	ppm	ASTM D5185(m)		2676		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINAN		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>22	3		
Sodium	ppm	ASTM D5185(m)		4		
Potassium	ppm	ASTM D5185(m)	>20	<1		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*	>3	2.8		
Nitration	Abs/cm	ASTM D7644*	>20	12.5		
Sulfation	Abs/.1mm	ASTM D7415*	>30	27.3		
Ganation	AUG/. HIIIII	ACTIVIDITION	/00	21.0		



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CALA ISO 17025:2017 Accredited Laboratory

Sample No.

: PC0088292

Lab Number : 02634521 Unique Number : 5775674

Received : 10 May 2024 **Tested**

Diagnosed Test Package : MOB 1 (Additional Tests: KV40, PQ, VI)

: 13 May 2024 : 13 May 2024 - Kevin Marson

Stouffville, ON CA L4A 2G8 Contact: Bill Acton bacton@gipi.com

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.

Contact/Location: Bill Acton - GFL286

T:

F: