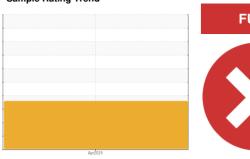


# **OIL ANALYSIS REPORT**

Sample Rating Trend



Machine Id
HATZ 1B
Component
Diesel Engine

{not provided} (--- GAL)

### DIAGNOSIS

#### Recommendation

We advise that you check the fuel injection system. We advise that you check the air filter, air induction system, and any areas where dirt may enter the component. We recommend that you drain the oil from the component if this has not already been done. We recommend you service the filters on this component. We recommend an early resample to monitor this condition. Please specify the component make and model with your next sample. Please specify the brand, type, and viscosity of the oil on your next sample.

### Wear

All component wear rates are normal.

### Contamination

There is a high amount of fuel present in the oil. There is a moderate concentration of dirt present in the oil. Tests confirm the presence of fuel in the oil.

### **Fluid Condition**

Viscosity of sample indicates oil is within SAE 20 range, advise investigate. The oil is no longer serviceable due to the presence of contaminants.

				Apr2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
	W (1101 <b>)</b>		mmbasc		· ·	
Sample Number		Client Info		WC		
Sample Date	lawa	Client Info		17 Apr 2024		
Machine Age	hrs hrs	Client Info		0		
Oil Age Oil Changed	1115	Client Info		N/A		
Sample Status		Ciletit iiiio		SEVERE		
CONTAMINATION		method	limit/base			
	N			current	history1	history2
Water			>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	15		
Chromium	ppm	ASTM D5185(m)	>20	<1		
Nickel	ppm	ASTM D5185(m)	>4	0		
Titanium	ppm	ASTM D5185(m)		<1		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	5		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	4		
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	ppm	ASTM D5185(m)		196		
Barium	ppm	ASTM D5185(m)		<1		
Molybdenum	ppm	ASTM D5185(m)		78		
Manganese	ppm	ASTM D5185(m)		<1		
Magnesium	ppm	ASTM D5185(m)		285		
Calcium	ppm	ASTM D5185(m)		1037		
Phosphorus	ppm	ASTM D5185(m)		712		
Zinc	ppm	ASTM D5185(m)		828		
Sulfur	ppm	ASTM D5185(m)		2306		
Lithium	ppm	ASTM D5185(m)		<1		
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>25	<b>^</b> 26		
Sodium	ppm	ASTM D5185(m)		51		
	nnm	ASTM D5185(m)	>20	3		
Potassium	ppm					
Potassium Fuel	%	ASTM D7593*	>5	<b>4</b> 9.5		
		ASTM D7593* method	>5 limit/base	▲ 9.5 current	history1	history2
Fuel						
Fuel INFRA-RED	%	method	limit/base	current	history1	history2



## **OIL ANALYSIS REPORT**





CALA ISO 17025:2017 Accredited Laboratory

Sample No.

Laboratory

: WC Lab Number : 02629913 Unique Number : 5763045

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received **Tested** Diagnosed

: 18 Apr 2024 : 19 Apr 2024

: 19 Apr 2024 - Kevin Marson Test Package : MOB 1 ( Additional Tests: FuelDilution, PercentFuel )

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** 

4090 Ridgeway Drive, Unit 8 Mississauga, ON CA L5L 5X5 Contact: Chantal Kelly

ckelly@marind.ca T: (905)607-5052 F: (905)607-8013

Report Id: VIK409MIS2 [WCAMIS] 02629913 (Generated: 04/19/2024 10:14:29) Rev: 1

Contact/Location: Chantal Kelly - VIK409MIS2