

### **OIL ANALYSIS REPORT**

Sample Rating Trend

GLYCOL

X

#### Machine Id

## WEICHAI J-BEND WEICHAI

Propane Engine

PETRO CANADA SENTRON LD 5000 (--- GAL)

### DIAGNOSIS

#### Recommendation

We advise that you check for the source of the coolant leak. The oil change at the time of sampling has been noted. We recommend an early resample to monitor this condition.

#### Wear

All component wear rates are normal.

#### Contamination

Test for glycol is positive. There is a high concentration of glycol present in the oil. There is a moderate concentration of water present in the oil.

#### Fluid Condition

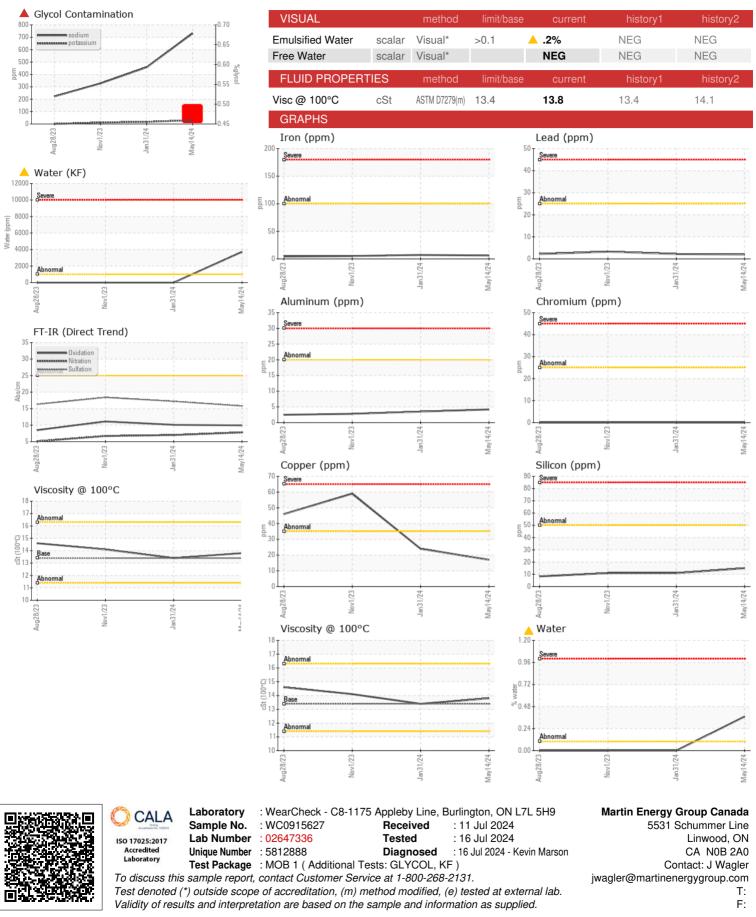
The oil is no longer serviceable due to the presence of contaminants.

SAMPLE INFORM		method	limit/base	current	history1	history2
Sample Number		Client Info	mmoduoc	WC0915627	PC0078883	PC0078878
		Client Info			31 Jan 2024	01 Nov 2023
Sample Date	hrs			14 May 2024	11972	
Machine Age		Client Info		12500		11457
Oil Age	hrs	Client Info		528 Ohannad	515	546
Oil Changed		Client Info		Changed	Changed	Changed
Sample Status				SEVERE	ABNORMAL	ABNORMAL
WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	6	7	5
Chromium	ppm	ASTM D5185(m)	>25	0	0	0
Nickel	ppm	ASTM D5185(m)	>5	<1	<1	<1
Titanium	ppm	ASTM D5185(m)		0	0	0
Silver	ppm	ASTM D5185(m)	>5	0	0	<1
Aluminum	ppm	ASTM D5185(m)	>20	4	4	3
Lead	ppm	ASTM D5185(m)	>25	2	2	3
Copper	ppm	ASTM D5185(m)	>35	17	24	<b>5</b> 9
Tin	ppm	ASTM D5185(m)	>8	0	0	0
Antimony	ppm	ASTM D5185(m)		0	0	0
Vanadium	ppm	ASTM D5185(m)		0	0	0
Beryllium	ppm	ASTM D5185(m)		0	0	0
Cadmium	ppm	ASTM D5185(m)		0	0	0
ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	2	38	22	14
Barium	ppm	ASTM D5185(m)	3	0	0	0
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	0
Manganese	ppm	ASTM D5185(m)	0	<1	0	0
Magnesium	ppm	ASTM D5185(m)	4	7	10	7
Calcium	ppm	ASTM D5185(m)	1727	1420	1502	1098
Phosphorus	ppm	ASTM D5185(m)	272	335	346	620
Zinc	ppm	ASTM D5185(m)	333	412	422	816
Sulfur	ppm	ASTM D5185(m)	3415	2706	2789	2373
Lithium	ppm	ASTM D5185(m)		<1	<1	<1
CONTAMINANTS	;	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m)	>50	15	11	11
Sodium	ppm	ASTM D5185(m)		<b>7</b> 31	<b>4</b> 57	328
Potassium	ppm	ASTM D5185(m)	>20	▲ 30	▲ 17	12
Water	%	ASTM D6304*		▲ 0.371		
ppm Water	ppm	ASTM D6304*	>1000	▲ 3717		
Glycol	%	ASTM D7922*		<b>0.499</b>		
INFRA-RED		method	limit/base	current	history1	history2
Soot %	%	ASTM D7844*		0	0	0
Nitration	Abs/cm	ASTM D7644 ASTM D7624*	>20	7.8	7.0	6.7
Sulfation	Abs/cm Abs/.1mm	ASTM D7024 ASTM D7415*	>30	15.8	17.2	18.4
FLUID DEGRADA		method	limit/base	current	history1	history2
Oxidation	Abs/.1mm	ASTM D7414*	>25	9.9	10.1	11.1

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