

OIL ANALYSIS REPORT

Sample Number

hrs

hrs

Sample Date

Machine Age

Oil Changed

Sample Status

CONTAMINATION

Oil Age

WEICHAI J-BEND WEICHAI Component

Propane Engine

PETRO-CANADA SENTRON VTP 10W40 (--- GAL)

DIAGNOSIS

Recommendation

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

🔺 Wear

Copper ppm levels are abnormal. Bearing wear is indicated.

Contamination

Water treatment chemicals present, indicating slow coolant leak. Test for glycol is negative. There is no indication of any contamination in the oil.

Fluid Condition

The BN result indicates that there is suitable alkalinity remaining in the oil. The AN level is acceptable for this fluid. The oil is no longer serviceable as a result of the abnormal and/or severe wear. The condition of the oil is acceptable for the time in service (see recommendation).



	WC Method	>0.1	NEG	NEG	
5	method	limit/base	current	history1	history2
ppm	ASTM D5185(m)	>100	5	4	
ppm	ASTM D5185(m)	>25	0	0	
ppm	ASTM D5185(m)	>5	<1	<1	
ppm	ASTM D5185(m)		0	0	
ppm	ASTM D5185(m)	>5	<1	0	
ppm	ASTM D5185(m)	>20	3	2	
ppm	ASTM D5185(m)	>25	3	2	
ppm	ASTM D5185(m)	>35	<mark>人</mark> 59	4 6	
ppm	ASTM D5185(m)	>8	0	0	
ppm	ASTM D5185(m)		0	0	
ppm	ASTM D5185(m)		0	0	
ppm	ASTM D5185(m)		0	0	
ppm	ASTM D5185(m)		0	0	
	ppm ppm ppm ppm ppm ppm ppm ppm ppm ppm	method ppm ASTM D5185(m) ppm ASTM D5185(m)	method limit/base ppm ASTM D5185(m) >100 ppm ASTM D5185(m) >25 ppm ASTM D5185(m) >5 ppm ASTM D5185(m) >5 ppm ASTM D5185(m) >5 ppm ASTM D5185(m) >20 ppm ASTM D5185(m) >20 ppm ASTM D5185(m) >25 ppm ASTM D5185(m) >25 ppm ASTM D5185(m) >35 ppm ASTM D5185(m) >8 ppm ASTM D5185(m) >8 ppm ASTM D5185(m) pm ppm ASTM D5185(m) pm	method limit/base current ppm ASTM D5185(m) >100 5 ppm ASTM D5185(m) >25 0 ppm ASTM D5185(m) >5 <1 ppm ASTM D5185(m) >5 <1 ppm ASTM D5185(m) >5 <1 ppm ASTM D5185(m) >20 3 ppm ASTM D5185(m) >25 3 ppm ASTM D5185(m) >35 59 ppm ASTM D5185(m) >8 0 ppm ASTM D5185(m) 0 0 ppm ASTM D5185(m)	method limit/base current history1 ppm ASTM D5185(m) >100 5 4 ppm ASTM D5185(m) >25 0 0 ppm ASTM D5185(m) >5 <1 <1 ppm ASTM D5185(m) >5 <1 <1 ppm ASTM D5185(m) >5 <1 0 ppm ASTM D5185(m) >5 <1 0 ppm ASTM D5185(m) >5 <1 0 ppm ASTM D5185(m) >20 3 2 ppm ASTM D5185(m) >25 3 2 ppm ASTM D5185(m) >35 59 ▲ 46 ppm ASTM D5185(m) >8 0 0 ppm ASTM D5185(m) >8 0 0 ppm ASTM D5185(m) 0 0 0 ppm ASTM D5185(m) 0 0 0 ppm ASTM D5185(m) 0 0

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m)	0	14	17	
Barium	ppm	ASTM D5185(m)	0	0	0	
Molybdenum	ppm	ASTM D5185(m)	0	0	<1	
Manganese	ppm	ASTM D5185(m)	0	0	<1	
Magnesium	ppm	ASTM D5185(m)	5	7	7	
Calcium	ppm	ASTM D5185(m)	1239	1098	1080	
Phosphorus	ppm	ASTM D5185(m)	677	620	638	
Zinc	ppm	ASTM D5185(m)	797	816	791	
Sulfur	ppm	ASTM D5185(m)	2660	2373	2372	
Lithium	ppm	ASTM D5185(m)		<1	<1	
CONTAMINAN		method	limit/base	current	history1	history2
		method ASTM D5185(m)	limit/base >50	current 11	history1 8	history2
CONTAMINAN	TS					history2
CONTAMINAN Silicon	TS ppm	ASTM D5185(m)		11	8	
CONTAMINAN Silicon Sodium	TS ppm ppm	ASTM D5185(m) ASTM D5185(m)	>50	11 ▲ 328	8 ▲ 222	
CONTAMINAN Silicon Sodium Potassium	TS ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>50 >20	11 ▲ 328 12	8 ▲ 222 0	
CONTAMINAN Silicon Sodium Potassium INFRA-RED	TS ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	>50 >20	11 ▲ 328 12 current	8 ▲ 222 0 history1	 history2
CONTAMINAN Silicon Sodium Potassium INFRA-RED Soot %	TS ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method ASTM D7844*	>50 >20 limit/base	11 ▲ 328 12 current 0	8 ▲ 222 0 history1 0	 history2

Abs/.1mm ASTM D7414* >25 Oxidation

Acid Number (AN) mg KOH/g ASTM D974* 1.59

Report Id: MAR105LIN [WCAMIS] 02598782 (Generated: 11/24/2023 16:07:12) Rev: 1

Contact/Location: J Wagler - MAR105LIN

8.5

0.87

11.1

0.77



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