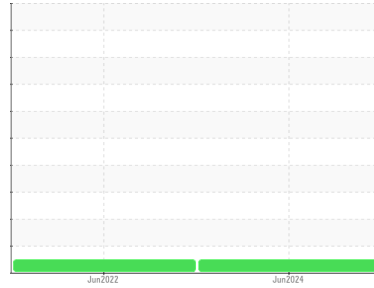




OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



Machine Id

KOHLER 60 LEONARD AVE GEN #2

Component

Diesel Engine

Fluid

KLONDIKE HEAVY DUTY 15W40 (--- LTR)

DIAGNOSIS

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 oil.

Fluid Condition

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

SAMPLE INFORMATION

	method	limit/base	current	history1	history2
Sample Number	Client Info		WC0965961	WC0657599	---
Sample Date	Client Info		29 Jun 2024	08 Jun 2022	---
Machine Age	hrs	Client Info	323	0	---
Oil Age	hrs	Client Info	0	0	---
Oil Changed	Client Info		Changed	N/A	---
Sample Status			NORMAL	NORMAL	---

CONTAMINATION

	method	limit/base	current	history1	history2
Fuel	WC Method	>5	<1.0	<1.0	---
Water	WC Method	>0.2	NEG	NEG	---
Glycol	WC Method		NEG	NEG	---

WEAR METALS

	method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m) >100	1	2	---
Chromium	ppm	ASTM D5185(m) >20	0	0	---
Nickel	ppm	ASTM D5185(m) >4	0	<1	---
Titanium	ppm	ASTM D5185(m)	<1	2	---
Silver	ppm	ASTM D5185(m) >3	0	0	---
Aluminum	ppm	ASTM D5185(m) >20	<1	<1	---
Lead	ppm	ASTM D5185(m) >40	0	<1	---
Copper	ppm	ASTM D5185(m) >330	<1	<1	---
Tin	ppm	ASTM D5185(m) >15	0	<1	---
Antimony	ppm	ASTM D5185(m)	<1	0	---
Vanadium	ppm	ASTM D5185(m)	0	0	---
Beryllium	ppm	ASTM D5185(m)	0	0	---
Cadmium	ppm	ASTM D5185(m)	0	0	---

ADDITIVES

	method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185(m) 70	288	91	---
Barium	ppm	ASTM D5185(m)	0	0	---
Molybdenum	ppm	ASTM D5185(m)	63	1	---
Manganese	ppm	ASTM D5185(m)	0	<1	---
Magnesium	ppm	ASTM D5185(m) 50	431	709	---
Calcium	ppm	ASTM D5185(m) 2000	1426	1321	---
Phosphorus	ppm	ASTM D5185(m) 1000	1012	1066	---
Zinc	ppm	ASTM D5185(m) 1100	1152	1151	---
Sulfur	ppm	ASTM D5185(m) 3400	2832	3213	---
Lithium	ppm	ASTM D5185(m)	<1	0	---

CONTAMINANTS

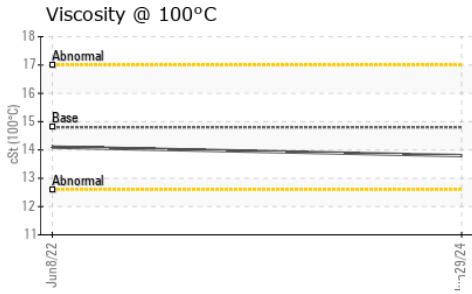
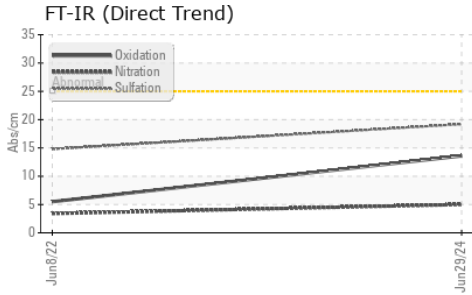
	method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185(m) >25	4	5	---
Sodium	ppm	ASTM D5185(m)	2	3	---
Potassium	ppm	ASTM D5185(m) >20	<1	3	---

INFRA-RED

	method	limit/base	current	history1	history2
Soot %	%	ASTM D7844* >3	0	0	---
Nitration	Abs/cm	ASTM D7624* >20	5.0	3.4	---
Sulfation	Abs/.1mm	ASTM D7415* >30	19.2	14.8	---



OIL ANALYSIS REPORT



FLUID DEGRADATION

	method	limit/base	current	history1	history2	
Oxidation	Abs./1mm	ASTM D7414*	>25	13.6	5.5	---

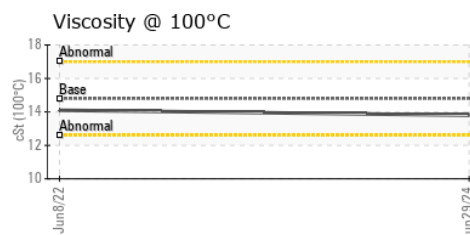
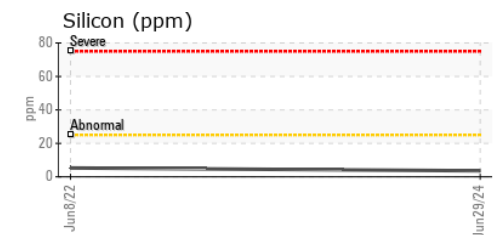
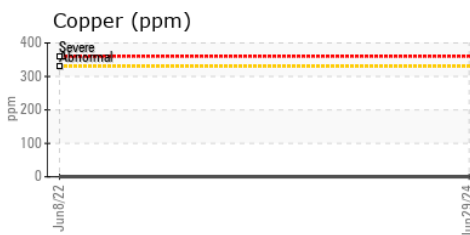
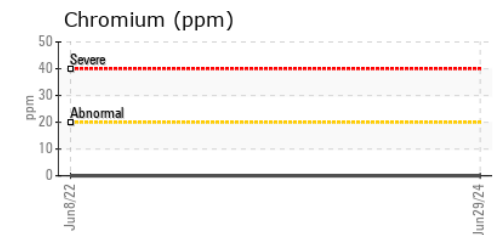
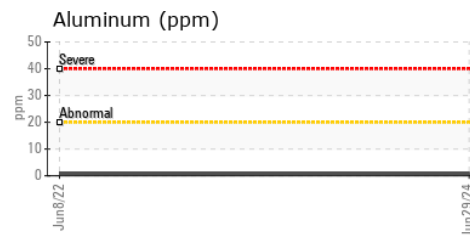
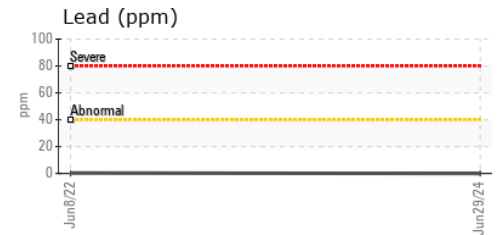
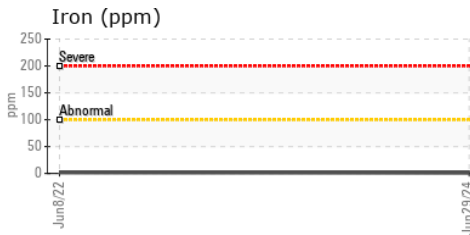
VISUAL

	method	limit/base	current	history1	history2
White Metal	scalar	Visual*	NONE	VLITE	---
Yellow Metal	scalar	Visual*	NONE	NONE	---
Precipitate	scalar	Visual*	NONE	NONE	---
Silt	scalar	Visual*	NONE	NONE	---
Debris	scalar	Visual*	NONE	VLITE	---
Sand/Dirt	scalar	Visual*	NONE	NONE	---
Appearance	scalar	Visual*	NORML	NORML	---
Odor	scalar	Visual*	NORML	NORML	---
Emulsified Water	scalar	Visual*	>0.2	NEG	---
Free Water	scalar	Visual*		NEG	---

FLUID PROPERTIES

	method	limit/base	current	history1	history2	
Visc @ 100°C	cSt	ASTM D7279(m)	14.8	13.8	14.1	---

GRAPHS



Laboratory : WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 **RONNIE'S GENERATOR SERVICE LTD.**
Sample No. : WC0965961 **Received** : 18 Jul 2024 6459 NETHERHART ROAD
Lab Number : 02648648 **Tested** : 18 Jul 2024 MISSISSAUGA, ON
Unique Number : 5814200 **Diagnosed** : 18 Jul 2024 - Wes Davis CA L5T 1C3
Test Package : MOB 1 (Additional Tests: Visual) **Contact:** Paul Praturlon

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.

T:
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