

# **OIL ANALYSIS REPORT**

# Sample Rating Trend

**NORMAL** 



# KOHLER Franklin Gardens

Component

**Diesel Engine** 

**DIESEL ENGINE OIL SAE 40 (--- GAL)** 

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### Recommendation

Resample at the next service interval to monitor. The fluid was not specified, however, a fluid match indicates that this fluid is (GENERIC) DIESEL ENGINE OIL SAE 40. Please confirm.

Metal levels are typical for a new component breaking in.

### Contamination

There is no indication of any contamination in the

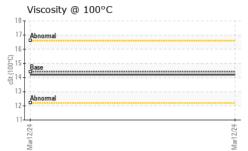
### **Fluid Condition**

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

				Mar2024		
SAMPLE INFORM	MATION	method	limit/base	current	history1	history2
Sample Number		Client Info		WC0849186		
Sample Date		Client Info		12 Mar 2024		
Machine Age	hrs	Client Info		880		
Oil Age	hrs	Client Info		0		
Oil Changed		Client Info		N/A		
Sample Status				NORMAL		
CONTAMINATION	V	method	limit/base	current	history1	history2
Fuel		WC Method	>5	<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METALS		mathad	limit/bass	al les ant	hiotomit	hiotom/2
		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185(m)	>100	3		
Chromium	ppm	ASTM D5185(m)	>20	0		
Nickel	ppm	ASTM D5185(m)	>4	<1		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>3	0		
Aluminum	ppm	ASTM D5185(m)	>20	1		
Lead	ppm	ASTM D5185(m)	>40	0		
Copper	ppm	ASTM D5185(m)	>330	<1		
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)	250	5		
Barium	ppm	ASTM D5185(m)	10	0		
Molybdenum	ppm	ASTM D5185(m)	100	57		
Manganese	ppm	ASTM D5185(m)		0		
Magnesium	ppm	ASTM D5185(m)	450	954		
Calcium	10.10.100					
	ppm	ASTM D5185(m)	3000	1017		
Phosphorus	ppm	ASTM D5185(m) ASTM D5185(m)	3000 1150	1017 1019		
		( /				
Phosphorus Zinc Sulfur	ppm	ASTM D5185(m)	1150	1019		
Phosphorus Zinc	ppm	ASTM D5185(m) ASTM D5185(m)	1150 1350	1019 1139		
Phosphorus Zinc Sulfur	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1150 1350	1019 1139 2728		
Phosphorus Zinc Sulfur Lithium	ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	1150 1350 4250	1019 1139 2728 <1		
Phosphorus Zinc Sulfur Lithium CONTAMINANTS	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  method	1150 1350 4250 limit/base	1019 1139 2728 <1	   history1	   history2
Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)	1150 1350 4250 limit/base >25	1019 1139 2728 <1 current	   history1	   history2
Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  METHOD  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	1150 1350 4250 limit/base >25 >216	1019 1139 2728 <1 current 3	   history1 	   history2
Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m)  ASTM D5185(m)  ASTM D5185(m)	1150 1350 4250 limit/base >25 >216 >20	1019 1139 2728 <1 current 3 1	   history1 	   history2 
Phosphorus Zinc Sulfur Lithium CONTAMINANTS Silicon Sodium Potassium INFRA-RED	ppm ppm ppm ppm	ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  method  ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)  ASTM D5185(m)	1150 1350 4250 limit/base >25 >216 >20 limit/base	1019 1139 2728 <1 current 3 1 0 current	  history1   history1	  history2   history2



## **OIL ANALYSIS REPORT**





FLUID PROPER	IIES	method	iiiiii/base	current	riistory i	riistoryz
Visc @ 100°C	cSt	ASTM D7279(m)	14.4	14.2		
GRAPHS						
Iron (ppm)			1	Lead (ppm)		
Severe				Severe		
150				60		
Abnormal			mdd	40 Abnormal		
50				20		
0 45			24	0 45		24
Mar12/24			Mar12/24	Mar12/24		Mar12/24
Aluminum (ppm)				Chromium (pp	om)	
40 Severe				40 Severe		
Abnormal			mdd	30		
Abnormal			1	20 Abnormal		
10				10		
2/24			Mar12/24	2/24		Mar12/24
Mar12/24			Marl	Mar12/24		Marl
Copper (ppm)				Silicon (ppm)		
350 - Abnormal				70		
250				50 +		
150				30 - Abnormal		
50				10		
07-45/2			1724	0 45/2		2/24
Mar12/24			Mar12/24	Mar12/24		Mar12/24
Viscosity @ 100°0	C 			Soot %		
Abnormal				Severe		
(2-001) 149 149			Soot %	Abnormal		
13				2.0		
Abnormal				1.0		
114 + 272			2/24	2/24		2/24
Mar12/24			Mar12/24	Mar12/24		Mar12/24 -



**CALA** ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WC0849186 Lab Number : 02621949 Unique Number : 5747068 Test Package : MOB 1

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 Received : 14 Mar 2024 **Tested** : 14 Mar 2024 Diagnosed : 14 Mar 2024 - Wes Davis

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.

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