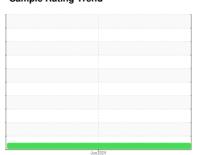


OIL ANALYSIS REPORT

Sample Rating Trend



NORMAL



351189
Component
Gasoline Engine
Fluid
SAE 0W20 (--- GAL)

DIAGNOSIS

Recommendation

Resample at the next service interval to monitor.

Wear

Machine Id

All component wear rates are normal.

Contamination

There is no indication of any contamination in the oil

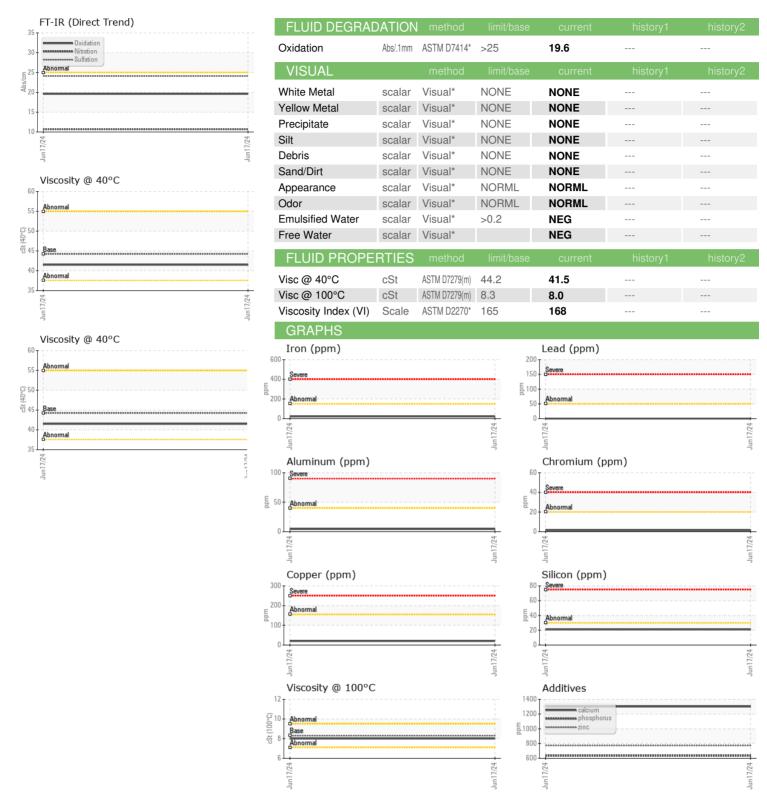
Fluid Condition

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

				lun2024		
			,	lun2024		
SAMPLE INFOR	RMATION	method	limit/base	current	history1	history2
Sample Number		Client Info		GFL0119020		
Sample Date		Client Info		17 Jun 2024		
Machine Age	kms	Client Info		4031		
Oil Age	kms	Client Info		0		
Oil Changed	KIIIO	Client Info		N/A		
Sample Status		Oliciti iilio		NORMAL		
CONTAMINAT	TION	method	limit/base	current		history2
	ION	WC Method	>4.0		history1	
Fuel				<1.0		
Water		WC Method	>0.2	NEG		
Glycol		WC Method		NEG		
WEAR METAL	_S	method	limit/base	current	history1	history2
ron	ppm	ASTM D5185(m)	>150	21		
Chromium	ppm	ASTM D5185(m)	>20	1		
Nickel	ppm	ASTM D5185(m)	>5	0		
Titanium	ppm	ASTM D5185(m)		0		
Silver	ppm	ASTM D5185(m)	>2	<1		
Aluminum	ppm	ASTM D5185(m)	>40	4		
Lead	ppm	ASTM D5185(m)	>50	0		
Copper	ppm	ASTM D5185(m)	>155	20		
Tin	ppm	ASTM D5185(m)	>10	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)		19		
Barium	ppm	ASTM D5185(m)		0		
Molybdenum	ppm	ASTM D5185(m)		263		
Manganese	ppm	ASTM D5185(m)		2		
Magnesium	ppm	ASTM D5185(m)		492		
Calcium	ppm	ASTM D5185(m)		1302		
Phosphorus	ppm	ASTM D5185(m)		634		
Zinc	ppm	ASTM D5185(m)		774		
Sulfur	ppiii	7.0 TW D0 100(III)		117		
	nnm	ASTM D5185(m)		1660		
Lithium	ppm	ASTM D5185(m) ASTM D5185(m)		1660 <1		
	ppm	ASTM D5185(m)	limit/hoos	<1		
CONTAMINAN	ppm	ASTM D5185(m) method	limit/base	<1 current	history1	history2
CONTAMINAN	ppm NTS ppm	ASTM D5185(m) method ASTM D5185(m)	>30	<1 current	history1	history2
CONTAMINAN Silicon Sodium	ppm NTS ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	>30 >400	current 21 2		history2
CONTAMINAN Silicon Sodium Potassium	ppm NTS ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30 >400 >20	<1 current	history1	history2
CONTAMINAN Silicon Sodium	ppm NTS ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m)	>30 >400	current 21 2	history1	history2
CONTAMINAN Silicon Sodium Potassium INFRA-RED	ppm NTS ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m)	>30 >400 >20	<1 current 21 2 <1	history1	history2
Silicon Sodium Potassium	ppm NTS ppm ppm ppm	ASTM D5185(m) method ASTM D5185(m) ASTM D5185(m) ASTM D5185(m) method	>30 >400 >20	<1 current 21 2 <1 current	history1 history1	history2



OIL ANALYSIS REPORT





CALA ISO 17025:2017 Accredited Laboratory

Laboratory Sample No.

: WearCheck - C8-1175 Appleby Line, Burlington, ON L7L 5H9 GFL Environmental - 554 - Edmonton SW

Lab Number : 02643984 Unique Number : 5801523

: GFL0119020

Received **Tested** Diagnosed

: 25 Jun 2024 : 25 Jun 2024

: 25 Jun 2024 - Kevin Marson Test Package : MOB 1 (Additional Tests: KV40, VI, Visual)

8409 -15th Street NW Edmonton, AB **CA T6P 0B8** Contact: Tim Greig tgreig@gflenv.com T: (780)231-0521

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.